Coastal Protection and Restoration Authority
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## 2017 Coastal Master Plan

# Attachment C3-23.2: Model Performance - Stage

Report: Final

Date: April 2017

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# Coastal Protection and Restoration Authority

This document was prepared in support of the 2017 Coastal Master Plan being prepared by the Coastal Protection and Restoration Authority (CPRA). CPRA was established by the Louisiana Legislature in response to Hurricanes Katrina and Rita through Act 8 of the First Extraordinary Session of 2005. Act 8 of the First Extraordinary Session of 2005 expanded the membership, duties, and responsibilities of CPRA and charged the new authority to develop and implement a comprehensive coastal protection plan, consisting of a master plan (revised every five years) and annual plans. CPRA's mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration master plan.

**Suggested Citation**:

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**Table 1: Summary of Modeled and Observed Mean Daily Stage (NAVD 88 meters) for Calibration Period 2010-2013.**

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 20 | CRMS1069-H01 | 1412 | 0.19 | 0.20 | 0.13 | -0.29 | 1.04 | 0.18 | 0.18 | 0.16 | -0.30 | 1.93 |
| 22 | CRMS0003-H01 | 1461 | 0.19 | 0.20 | 0.13 | -0.29 | 1.04 | 0.16 | 0.16 | 0.17 | -0.56 | 1.76 |
| 23 | CRMS6090-H01 | 1415 | 0.45 | 0.31 | 0.40 | -0.23 | 1.80 | 0.32 | 0.21 | 0.37 | -0.38 | 1.73 |
| 25 | CRMS0035-H01 | 1460 | 0.25 | 0.24 | 0.14 | -0.27 | 1.02 | 0.16 | 0.14 | 0.21 | -0.43 | 2.10 |
| 28 | CRMS1024-H01 | 1449 | 0.18 | 0.20 | 0.13 | -0.28 | 1.04 | 0.05 | 0.04 | 0.17 | -0.52 | 1.69 |
| 30 | CRMS4406-H01 | 1461 | 0.22 | 0.23 | 0.13 | -0.27 | 0.99 | 0.11 | 0.10 | 0.18 | -0.44 | 1.80 |
| 32 | CRMS0108-H01 | 1459 | 0.19 | 0.20 | 0.13 | -0.29 | 1.03 | 0.10 | 0.10 | 0.17 | -0.36 | 1.71 |
| 35 | CRMS3784-H01 | 1459 | 0.20 | 0.21 | 0.13 | -0.27 | 1.00 | 0.09 | 0.08 | 0.17 | -0.30 | 1.50 |
| 36 | CRMS0006-H01 | 1429 | 0.21 | 0.22 | 0.12 | -0.17 | 0.96 | 0.21 | 0.18 | 0.16 | -0.02 | 1.37 |
| 37 | CRMS0002-H01 | 1459 | 0.20 | 0.21 | 0.13 | -0.28 | 1.01 | 0.14 | 0.13 | 0.18 | -0.28 | 1.60 |
| 42 | CRMS4557-H01 | 1399 | 0.19 | 0.20 | 0.12 | -0.28 | 0.91 | 0.11 | 0.10 | 0.17 | -0.38 | 1.10 |
| 46 | CRMS3650-H01 | 1386 | 0.20 | 0.21 | 0.13 | -0.28 | 1.01 | 0.12 | 0.11 | 0.19 | -0.47 | 1.71 |
| 48 | CRMS4094-H01 | 1461 | 0.21 | 0.21 | 0.13 | -0.28 | 1.03 | 0.24 | 0.23 | 0.21 | -0.48 | 2.28 |
| 53 | CRMS4551-H01 | 1322 | 0.19 | 0.20 | 0.12 | -0.28 | 1.00 | 0.15 | 0.14 | 0.18 | -0.31 | 2.87 |
| 56 | CRMS0103-H01 | 1457 | 0.27 | 0.25 | 0.18 | -0.10 | 1.68 | 0.26 | 0.24 | 0.23 | -0.23 | 2.18 |
| 62 | CRMS0161-H01 | 1446 | 0.17 | 0.18 | 0.12 | -0.27 | 1.03 | 0.22 | 0.22 | 0.14 | -0.24 | 0.87 |
| 63 | 8761927 | 1461 | 0.21 | 0.21 | 0.13 | -0.28 | 1.04 | 0.10 | 0.09 | 0.20 | -0.56 | 1.77 |
| 66 | CRMS3641-H01 | 1457 | 0.20 | 0.21 | 0.13 | -0.28 | 0.99 | 0.24 | 0.26 | 0.12 | -0.14 | 0.68 |
| 67 | 07374526 | 1410 | 0.18 | 0.19 | 0.12 | -0.27 | 0.65 | 0.19 | 0.17 | 0.22 | -0.68 | 1.07 |
| 71 | 073745257 | 1290 | 0.21 | 0.22 | 0.10 | -0.11 | 0.63 | 0.10 | 0.09 | 0.18 | -0.48 | 1.05 |
| 72 | CRMS4355-H01 | 1334 | 0.21 | 0.22 | 0.10 | -0.09 | 0.61 | 0.11 | 0.10 | 0.18 | -0.31 | 1.20 |
| 76 | CRMS2627-H01 | 1378 | 0.37 | 0.38 | 0.13 | 0.00 | 1.01 | 0.41 | 0.41 | 0.12 | 0.02 | 1.45 |
| 77 | CRMS2614-H01 | 1385 | 0.18 | 0.19 | 0.12 | -0.27 | 1.03 | 0.32 | 0.30 | 0.19 | -0.20 | 1.60 |
| 80 | CRMS0030-H01 | 1433 | 0.22 | 0.22 | 0.13 | -0.25 | 0.95 | 0.20 | 0.19 | 0.18 | -0.16 | 1.26 |
| 82 | 07374527 | 1429 | 0.19 | 0.20 | 0.12 | -0.27 | 1.01 | 0.11 | 0.10 | 0.20 | -0.60 | 2.47 |
| 83 | 295124089542100 | 1422 | 0.37 | 0.33 | 0.17 | 0.11 | 0.97 | 0.41 | 0.36 | 0.21 | -0.08 | 1.38 |
| 90 | CRMS0153-H01 | 1337 | 0.19 | 0.19 | 0.11 | -0.23 | 0.98 | 0.35 | 0.35 | 0.14 | -0.14 | 1.45 |
| 92 | CRMS4448-H01 | 1449 | 0.38 | 0.38 | 0.13 | 0.00 | 1.01 | 0.46 | 0.45 | 0.13 | 0.07 | 1.50 |
| 97 | CRMS0046-H01 | 1446 | 0.22 | 0.22 | 0.14 | -0.24 | 1.03 | 0.19 | 0.18 | 0.23 | -0.35 | 1.96 |
| 103 | CRMS0117-W01 | 1183 | 0.32 | 0.29 | 0.14 | 0.08 | 0.78 | 0.28 | 0.24 | 0.16 | -0.02 | 1.87 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 105 | CRMS0156-H01 | 1454 | 0.25 | 0.26 | 0.13 | -0.22 | 0.99 | 0.36 | 0.36 | 0.12 | -0.06 | 1.38 |
| 107 | CRMS0121-H01 | 1296 | 0.21 | 0.22 | 0.10 | -0.09 | 0.61 | 0.10 | 0.09 | 0.18 | -0.47 | 1.14 |
| 110 | CRMS0139-H01 | 1448 | 0.19 | 0.20 | 0.12 | -0.26 | 1.03 | 0.26 | 0.26 | 0.16 | -0.30 | 1.25 |
| 111 | 073745258 | 1379 | 0.19 | 0.20 | 0.12 | -0.26 | 0.65 | 0.19 | 0.18 | 0.19 | -0.69 | 1.22 |
| 115 | CRMS2608-H01 | 1428 | 0.21 | 0.21 | 0.11 | -0.18 | 0.87 | 0.35 | 0.34 | 0.14 | -0.07 | 1.05 |
| 116 | CRMS0135-H01 | 1381 | 0.21 | 0.21 | 0.11 | -0.11 | 0.62 | 0.07 | 0.07 | 0.17 | -0.62 | 1.03 |
| 120 | CRMS0129-H01 | 1422 | 0.22 | 0.22 | 0.14 | -0.26 | 1.01 | 0.04 | 0.02 | 0.15 | -0.29 | 1.56 |
| 134 | CRMS0115-H01 | 1281 | 0.22 | 0.23 | 0.10 | -0.07 | 0.65 | 0.16 | 0.13 | 0.17 | -0.20 | 1.22 |
| 135 | CRMS0118-H01 | 1293 | 0.18 | 0.19 | 0.12 | -0.26 | 1.02 | 0.27 | 0.26 | 0.13 | -0.09 | 1.47 |
| 136 | CRMS3913-H01 | 1426 | 0.21 | 0.22 | 0.13 | -0.28 | 0.73 | 0.15 | 0.15 | 0.21 | -0.59 | 1.23 |
| 152 | CRMS0125-H01 | 1424 | 0.22 | 0.23 | 0.10 | -0.08 | 0.83 | 0.25 | 0.23 | 0.17 | 0.03 | 2.60 |
| 155 | CRMS0136-H01 | 1426 | 0.21 | 0.21 | 0.11 | -0.11 | 0.62 | 0.05 | 0.04 | 0.18 | -0.55 | 1.14 |
| 156 | CRMS0159-H01 | 1443 | 0.15 | 0.16 | 0.11 | -0.24 | 0.95 | 0.25 | 0.25 | 0.12 | -0.13 | 1.05 |
| 166 | CRMS0132-H01 | 1398 | 0.21 | 0.22 | 0.11 | -0.09 | 0.83 | 0.14 | 0.13 | 0.20 | -0.40 | 2.70 |
| 186 | CRMS6299-H01 | 1373 | 0.23 | 0.23 | 0.11 | -0.10 | 0.89 | 0.26 | 0.24 | 0.18 | -0.09 | 1.44 |
| 191 | CRMS0163-H01 | 1395 | 0.17 | 0.17 | 0.10 | -0.20 | 0.85 | 0.22 | 0.23 | 0.10 | -0.09 | 0.80 |
| 197 | CRMS0173-H01 | 1372 | 0.13 | 0.13 | 0.11 | -0.22 | 0.75 | 0.10 | 0.11 | 0.15 | -0.39 | 1.48 |
| 198 | CRMS0272-H01 | 1398 | 0.13 | 0.14 | 0.11 | -0.21 | 0.77 | 0.11 | 0.12 | 0.14 | -0.34 | 1.05 |
| 208 | CRMS3680-H01 | 1425 | 0.15 | 0.15 | 0.10 | -0.16 | 0.66 | 0.12 | 0.14 | 0.15 | -0.35 | 1.41 |
| 215 | CRMS5267-H01 | 1460 | 0.23 | 0.23 | 0.15 | -0.27 | 1.06 | 0.12 | 0.10 | 0.22 | -0.45 | 1.75 |
| 216 | CRMS0260-H01 | 1431 | 0.15 | 0.15 | 0.10 | -0.16 | 0.66 | 0.14 | 0.16 | 0.16 | -0.38 | 1.75 |
| 223 | CRMS0287-H01 | 1391 | 0.14 | 0.15 | 0.10 | -0.18 | 0.67 | 0.27 | 0.26 | 0.12 | 0.07 | 1.78 |
| 225 | CRMS0276-H01 | 1386 | 0.15 | 0.15 | 0.10 | -0.15 | 0.61 | 0.24 | 0.24 | 0.13 | -0.03 | 1.09 |
| 227 | CRMS4529-H01 | 1383 | 0.13 | 0.14 | 0.11 | -0.21 | 0.53 | 0.08 | 0.08 | 0.14 | -0.42 | 0.84 |
| 231 | CRMS0174-H01 | 1387 | 0.13 | 0.14 | 0.11 | -0.22 | 0.75 | 0.16 | 0.17 | 0.14 | -0.31 | 1.41 |
| 234 | CRMS0263-H01 | 1456 | 0.14 | 0.15 | 0.10 | -0.20 | 0.63 | 0.16 | 0.18 | 0.16 | -0.33 | 0.99 |
| 236 | CRMS0047-H01 | 1385 | 0.22 | 0.22 | 0.13 | -0.24 | 1.02 | 0.24 | 0.23 | 0.21 | -0.26 | 1.73 |
| 238 | CRMS0226-H01 | 1261 | 0.13 | 0.14 | 0.10 | -0.20 | 0.64 | 0.13 | 0.15 | 0.15 | -0.39 | 0.71 |
| 239 | CRMS0181-H01 | 1401 | 0.13 | 0.13 | 0.11 | -0.22 | 0.78 | 0.09 | 0.10 | 0.13 | -0.33 | 1.38 |
| 243 | CRMS3169-H01 | 1332 | 0.41 | 0.39 | 0.15 | 0.12 | 1.02 | 0.32 | 0.29 | 0.20 | -0.17 | 1.10 |
| 246 | CRMS4103-H01 | 1461 | 0.15 | 0.15 | 0.10 | -0.19 | 0.66 | 0.24 | 0.25 | 0.16 | -0.23 | 1.73 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 247 | CRMS3617-H01 | 1460 | 0.14 | 0.15 | 0.10 | -0.20 | 0.66 | 0.19 | 0.21 | 0.16 | -0.27 | 1.64 |
| 248 | CRMS0188-H01 | 1461 | 0.15 | 0.15 | 0.10 | -0.18 | 0.67 | 0.21 | 0.23 | 0.17 | -0.31 | 1.10 |
| 252 | CRMS0172-H01 | 1405 | 0.13 | 0.13 | 0.11 | -0.22 | 0.75 | 0.16 | 0.16 | 0.12 | -0.17 | 1.10 |
| 256 | CRMS3985-H01 | 1359 | 0.14 | 0.15 | 0.10 | -0.19 | 0.57 | 0.21 | 0.23 | 0.16 | -0.35 | 1.02 |
| 258 | CRMS0038-H01 | 1459 | 0.22 | 0.23 | 0.14 | -0.28 | 1.02 | 0.23 | 0.22 | 0.23 | -0.35 | 1.75 |
| 259 | CRMS0251-H01 | 1353 | 0.13 | 0.14 | 0.10 | -0.19 | 0.66 | 0.15 | 0.16 | 0.14 | -0.15 | 1.04 |
| 260 | CRMS0237-H01 | 1438 | 0.13 | 0.14 | 0.10 | -0.21 | 0.66 | 0.15 | 0.16 | 0.15 | -0.35 | 1.07 |
| 261 | CRMS5373-H01 | 1461 | 0.23 | 0.23 | 0.14 | -0.23 | 1.01 | 0.29 | 0.31 | 0.21 | -0.37 | 1.62 |
| 264 | CRMS0261-H01 | 1460 | 0.14 | 0.15 | 0.10 | -0.19 | 0.66 | 0.20 | 0.21 | 0.16 | -0.28 | 1.40 |
| 266 | CRMS0176-H01 | 794 | 0.12 | 0.13 | 0.11 | -0.22 | 0.53 | 0.14 | 0.16 | 0.15 | -0.34 | 0.82 |
| 277 | CRMS4245-H01 | 1396 | 0.15 | 0.15 | 0.10 | -0.19 | 0.66 | 0.22 | 0.22 | 0.15 | -0.24 | 1.61 |
| 278 | CRMS0232-H01 | 1394 | 0.14 | 0.14 | 0.10 | -0.20 | 0.55 | 0.14 | 0.15 | 0.15 | -0.33 | 0.94 |
| 280 | 07380251 | 1417 | 0.13 | 0.14 | 0.11 | -0.21 | 0.72 | 0.16 | 0.17 | 0.15 | -0.81 | 0.86 |
| 283 | CRMS0211-H01 | 1384 | 0.16 | 0.16 | 0.11 | -0.18 | 0.72 | 0.30 | 0.31 | 0.16 | -0.23 | 1.15 |
| 285 | 292800090060000 | 1413 | 0.15 | 0.15 | 0.10 | -0.17 | 0.65 | 0.20 | 0.21 | 0.17 | -0.36 | 1.13 |
| 286 | CRMS5167-H01 | 1461 | 0.23 | 0.23 | 0.14 | -0.22 | 1.01 | 0.19 | 0.18 | 0.22 | -0.56 | 1.53 |
| 287 | CRMS0278-H01 | 1461 | 0.15 | 0.15 | 0.10 | -0.18 | 0.67 | 0.20 | 0.20 | 0.14 | -0.09 | 1.15 |
| 296 | 07381235 | 1440 | 0.15 | 0.15 | 0.11 | -0.14 | 0.81 | 0.12 | 0.13 | 0.15 | -0.41 | 0.87 |
| 297 | CRMS0268-H01 | 1433 | 0.23 | 0.20 | 0.13 | -0.00 | 0.91 | 0.26 | 0.26 | 0.16 | -0.24 | 0.85 |
| 298 | CRMS0206-H01 | 1384 | 0.16 | 0.17 | 0.11 | -0.18 | 0.75 | 0.20 | 0.21 | 0.17 | -0.34 | 0.81 |
| 306 | 07381235 | 1440 | 0.19 | 0.19 | 0.10 | -0.13 | 0.71 | 0.12 | 0.13 | 0.15 | -0.41 | 0.87 |
| 307 | CRMS0178-H01 | 1422 | 0.14 | 0.14 | 0.11 | -0.20 | 0.63 | 0.09 | 0.09 | 0.14 | -0.43 | 1.04 |
| 315 | 07381350 | 1460 | 0.24 | 0.23 | 0.12 | -0.09 | 0.85 | 0.25 | 0.26 | 0.15 | -0.25 | 1.01 |
| 322 | CRMS0312-H01 | 1376 | 0.16 | 0.16 | 0.10 | -0.13 | 0.64 | 0.16 | 0.17 | 0.16 | -0.25 | 1.41 |
| 327 | CRMS0367-H01 | 1461 | 0.25 | 0.23 | 0.13 | -0.09 | 0.90 | 0.25 | 0.25 | 0.16 | -0.28 | 1.08 |
| 329 | CRMS0386-H01 | 1378 | 0.16 | 0.16 | 0.10 | -0.13 | 0.64 | 0.14 | 0.16 | 0.16 | -0.36 | 1.49 |
| 331 | CRMS0175-H01 | 1401 | 0.14 | 0.15 | 0.10 | -0.19 | 0.64 | 0.12 | 0.13 | 0.15 | -0.45 | 1.13 |
| 334 | 07381355 | 1460 | 0.24 | 0.23 | 0.12 | -0.10 | 0.85 | 0.26 | 0.27 | 0.15 | -0.25 | 1.00 |
| 335 | CRMS0397-H01 | 1427 | 0.15 | 0.16 | 0.11 | -0.16 | 0.67 | 0.09 | 0.10 | 0.15 | -0.35 | 1.24 |
| 339 | CRMS0331-H01 | 1458 | 0.24 | 0.23 | 0.12 | -0.10 | 0.85 | 0.28 | 0.29 | 0.15 | -0.22 | 1.00 |
| 344 | CRMS0164-H01 | 1437 | 0.14 | 0.15 | 0.10 | -0.19 | 0.65 | 0.10 | 0.10 | 0.14 | -0.31 | 1.15 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 345 | CRMS0310-H01 | 1449 | 0.15 | 0.16 | 0.10 | -0.16 | 0.73 | 0.11 | 0.12 | 0.15 | -0.38 | 1.10 |
| 346 | CRMS2825-H01 | 1433 | 0.16 | 0.17 | 0.11 | -0.15 | 0.73 | 0.15 | 0.15 | 0.14 | -0.30 | 0.95 |
| 350 | CRMS0400-H01 | 1461 | 0.17 | 0.17 | 0.10 | 0.04 | 0.73 | 0.27 | 0.27 | 0.14 | -0.16 | 1.00 |
| 353 | CRMS0336-H01 | 1461 | 0.15 | 0.16 | 0.10 | -0.16 | 0.64 | 0.10 | 0.12 | 0.15 | -0.43 | 1.24 |
| 364 | CRMS3296-H01 | 1400 | 0.15 | 0.16 | 0.11 | -0.16 | 0.64 | 0.21 | 0.22 | 0.16 | -0.42 | 1.22 |
| 365 | 07381331 | 1442 | 0.24 | 0.24 | 0.11 | -0.10 | 0.73 | 0.16 | 0.17 | 0.13 | -0.33 | 0.81 |
| 371 | CRMS0318-H01 | 1404 | 0.13 | 0.13 | 0.11 | -0.24 | 0.59 | 0.13 | 0.13 | 0.13 | -0.25 | 1.05 |
| 373 | CRMS0338-H01 | 1435 | 0.13 | 0.14 | 0.11 | -0.24 | 0.60 | 0.10 | 0.11 | 0.15 | -0.38 | 1.24 |
| 381 | CRMS0315-H01 | 1412 | 0.16 | 0.16 | 0.10 | -0.15 | 0.63 | 0.26 | 0.25 | 0.14 | -0.04 | 1.29 |
| 383 | 07381343 | 1421 | 0.18 | 0.18 | 0.10 | -0.12 | 0.67 | 0.25 | 0.26 | 0.15 | -0.27 | 0.78 |
| 386 | 073813375 | 1373 | 0.16 | 0.16 | 0.10 | -0.14 | 0.64 | 0.24 | 0.25 | 0.17 | -0.36 | 1.26 |
| 399 | CRMS0390-H01 | 1433 | 0.17 | 0.17 | 0.11 | -0.11 | 0.70 | 0.19 | 0.20 | 0.15 | -0.24 | 0.94 |
| 419 | CRMS0292-H01 | 1461 | 0.13 | 0.13 | 0.11 | -0.25 | 0.57 | 0.06 | 0.07 | 0.12 | -0.36 | 0.87 |
| 439 | CRMS0341-H01 | 1405 | 0.14 | 0.14 | 0.11 | -0.24 | 0.60 | 0.14 | 0.14 | 0.17 | -0.57 | 1.01 |
| 441 | CRMS0403-H01 | 1334 | 0.52 | 0.50 | 0.21 | 0.07 | 1.19 | 0.38 | 0.38 | 0.17 | -0.13 | 0.81 |
| 450 | 07381328 | 1437 | 0.20 | 0.20 | 0.11 | -0.14 | 0.68 | 0.30 | 0.31 | 0.14 | -0.25 | 1.03 |
| 467 | 295447091191500 | 1401 | 1.08 | 0.98 | 0.59 | 0.38 | 4.11 | 1.29 | 1.15 | 0.70 | 0.25 | 4.73 |
| 468 | CRMS2887-H01 | 1456 | 0.39 | 0.38 | 0.15 | 0.09 | 0.99 | 0.35 | 0.35 | 0.14 | -0.16 | 0.93 |
| 472 | 073814675 | 1390 | 0.50 | 0.48 | 0.19 | 0.06 | 1.19 | 0.63 | 0.63 | 0.17 | 0.09 | 1.08 |
| 480 | CRMS0382-H01 | 1461 | 0.38 | 0.37 | 0.14 | 0.12 | 0.93 | 0.25 | 0.25 | 0.09 | 0.02 | 0.86 |
| 494 | CRMS0369-H01 | 1459 | 0.16 | 0.16 | 0.11 | -0.18 | 0.65 | 0.26 | 0.27 | 0.15 | -0.30 | 1.08 |
| 497 | CRMS0409-H01 | 1461 | 0.33 | 0.32 | 0.14 | 0.04 | 0.93 | 0.22 | 0.23 | 0.13 | -0.25 | 0.79 |
| 508 | CRMS0434-H01 | 1421 | 0.16 | 0.17 | 0.11 | -0.18 | 0.66 | 0.12 | 0.13 | 0.13 | -0.26 | 0.96 |
| 518 | CRMS0296-H01 | 1377 | 0.28 | 0.27 | 0.13 | -0.09 | 0.81 | 0.23 | 0.24 | 0.13 | -0.24 | 0.84 |
| 520 | CRMS0411-H01 | 1461 | 0.35 | 0.34 | 0.14 | 0.01 | 0.99 | 0.23 | 0.23 | 0.13 | -0.24 | 0.78 |
| 522 | 07381600 | 1455 | 0.80 | 0.73 | 0.42 | 0.18 | 2.89 | 0.96 | 0.86 | 0.47 | 0.17 | 2.97 |
| 524 | CRMS2785-H01 | 1371 | 0.35 | 0.34 | 0.15 | 0.00 | 1.02 | 0.27 | 0.27 | 0.15 | -0.26 | 0.93 |
| 525 | CRMS2862-H01 | 1439 | 0.39 | 0.37 | 0.16 | 0.02 | 1.10 | 0.34 | 0.34 | 0.17 | -0.20 | 0.95 |
| 526 | 07381567 | 1215 | 1.81 | 1.81 | 0.91 | 0.53 | 4.73 | 2.17 | 2.26 | 0.97 | 0.64 | 5.19 |
| 527 | 073815450 | 1430 | 1.49 | 1.35 | 0.82 | 0.37 | 4.29 | 1.67 | 1.55 | 0.91 | 0.25 | 4.82 |
| 535 | CRMS2881-H01 | 1461 | 0.33 | 0.32 | 0.14 | -0.01 | 0.97 | 0.25 | 0.26 | 0.13 | -0.23 | 0.80 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 539 | CRMS0398-H01 | 1379 | 0.19 | 0.20 | 0.11 | -0.18 | 0.65 | 0.15 | 0.16 | 0.13 | -0.36 | 0.87 |
| 540 | CRMS0395-H01 | 1377 | 0.16 | 0.17 | 0.11 | -0.17 | 0.67 | 0.16 | 0.17 | 0.14 | -0.32 | 1.02 |
| 545 | 8764044 | 1456 | 0.69 | 0.62 | 0.37 | 0.11 | 2.42 | 0.64 | 0.56 | 0.42 | -0.11 | 2.46 |
| 550 | 073816503 | 1419 | 0.50 | 0.48 | 0.21 | 0.05 | 1.32 | 0.32 | 0.31 | 0.22 | -0.23 | 1.35 |
| 551 | CRMS0345-H01 | 1372 | 0.16 | 0.17 | 0.11 | -0.19 | 0.65 | -0.01 | -0.00 | 0.14 | -0.60 | 0.69 |
| 556 | CRMS0327-H01 | 1368 | 0.29 | 0.28 | 0.13 | -0.03 | 0.87 | 0.21 | 0.22 | 0.14 | -0.48 | 0.77 |
| 557 | CRMS0329-H01 | 1444 | 0.28 | 0.27 | 0.13 | -0.02 | 0.90 | 0.23 | 0.23 | 0.14 | -0.32 | 0.73 |
| 560 | CRMS4045-H01 | 1282 | 0.22 | 0.23 | 0.11 | -0.12 | 0.63 | 0.18 | 0.19 | 0.13 | -0.34 | 0.94 |
| 561 | CRMS0311-H01 | 1461 | 0.16 | 0.16 | 0.11 | -0.21 | 0.67 | 0.13 | 0.14 | 0.13 | -0.36 | 0.94 |
| 564 | CRMS0354-H01 | 1349 | 0.17 | 0.18 | 0.11 | -0.19 | 0.65 | 0.13 | 0.14 | 0.14 | -0.43 | 0.91 |
| 567 | CRMS0371-H01 | 1430 | 0.27 | 0.26 | 0.12 | -0.04 | 0.80 | 0.17 | 0.18 | 0.13 | -0.33 | 0.72 |
| 570 | CRMS4938-H01 | 1457 | 0.62 | 0.59 | 0.30 | 0.12 | 1.94 | 0.45 | 0.41 | 0.29 | -0.26 | 1.80 |
| 575 | CRMS0374-H01 | 1460 | 0.14 | 0.15 | 0.11 | -0.23 | 0.64 | 0.11 | 0.11 | 0.11 | -0.22 | 0.78 |
| 578 | CRMS0461-H01 | 1461 | 0.57 | 0.52 | 0.28 | 0.06 | 1.82 | 0.44 | 0.42 | 0.22 | -0.26 | 1.59 |
| 583 | CRMS0332-H01 | 1428 | 0.16 | 0.16 | 0.12 | -0.28 | 0.67 | 0.13 | 0.14 | 0.14 | -0.42 | 0.95 |
| 585 | CRMS4455-H01 | 1433 | 0.15 | 0.16 | 0.11 | -0.20 | 0.60 | 0.12 | 0.12 | 0.12 | -0.18 | 0.67 |
| 587 | CRMS5992-H01 | 1399 | 0.29 | 0.29 | 0.11 | -0.07 | 0.68 | 0.35 | 0.36 | 0.17 | -0.36 | 0.93 |
| 588 | CRMS0365-H01 | 1453 | 0.25 | 0.24 | 0.13 | -0.04 | 0.87 | 0.22 | 0.22 | 0.15 | -0.38 | 0.92 |
| 591 | 07381670 | 1418 | 0.56 | 0.55 | 0.23 | 0.08 | 1.52 | 0.35 | 0.33 | 0.24 | -0.44 | 1.29 |
| 595 | CRMS6038-H01 | 1460 | 0.57 | 0.53 | 0.27 | 0.06 | 1.67 | 0.39 | 0.35 | 0.25 | -0.12 | 1.57 |
| 596 | CRMS0513-H01 | 1461 | 0.31 | 0.31 | 0.20 | -0.43 | 0.98 | 0.43 | 0.44 | 0.09 | 0.24 | 0.87 |
| 599 | CRMS0376-H01 | 1401 | 0.13 | 0.14 | 0.11 | -0.26 | 0.61 | 0.12 | 0.12 | 0.14 | -0.41 | 0.72 |
| 600 | CRMS4779-H01 | 1382 | 0.59 | 0.58 | 0.24 | 0.13 | 1.54 | 0.52 | 0.48 | 0.21 | 0.22 | 1.62 |
| 601 | CRMS0399-H01 | 1371 | 0.16 | 0.17 | 0.12 | -0.28 | 0.67 | 0.14 | 0.15 | 0.13 | -0.39 | 0.86 |
| 607 | CRMS0551-H01 | 1461 | 0.31 | 0.31 | 0.12 | -0.10 | 0.68 | 0.38 | 0.38 | 0.15 | -0.03 | 1.02 |
| 609 | CRMS0302-H01 | 1461 | 0.15 | 0.15 | 0.12 | -0.27 | 0.67 | 0.12 | 0.13 | 0.14 | -0.42 | 0.84 |
| 611 | CRMS0463-H01 | 1461 | 0.36 | 0.34 | 0.18 | -0.07 | 1.27 | 0.25 | 0.25 | 0.14 | -0.13 | 1.05 |
| 615 | CRMS0303-H01 | 1428 | 0.15 | 0.16 | 0.12 | -0.28 | 0.68 | 0.11 | 0.12 | 0.16 | -0.49 | 1.01 |
| 617 | CRMS0326-H01 | 1401 | 0.16 | 0.16 | 0.12 | -0.27 | 0.67 | 0.11 | 0.12 | 0.13 | -0.37 | 0.87 |
| 619 | CRMS0305-H01 | 1443 | 0.19 | 0.19 | 0.12 | -0.28 | 0.69 | 0.14 | 0.15 | 0.14 | -0.48 | 0.99 |
| 625 | CRMS0377-H01 | 1452 | 0.14 | 0.15 | 0.12 | -0.30 | 0.67 | 0.11 | 0.12 | 0.14 | -0.42 | 0.89 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 628 | CRMS6304-H01 | 1461 | 0.26 | 0.26 | 0.13 | -0.18 | 0.76 | 0.27 | 0.27 | 0.14 | -0.25 | 1.04 |
| 633 | CRMS0544-H01 | 1181 | 0.21 | 0.21 | 0.11 | -0.11 | 0.63 | 0.26 | 0.26 | 0.14 | -0.14 | 1.09 |
| 634 | CRMS0543-H01 | 1409 | 0.18 | 0.19 | 0.12 | -0.30 | 0.62 | 0.22 | 0.22 | 0.14 | -0.09 | 1.04 |
| 635 | CRMS0464-H01 | 1389 | 0.21 | 0.21 | 0.12 | -0.18 | 0.68 | 0.35 | 0.35 | 0.14 | -0.13 | 1.11 |
| 655 | 8764227 | 1453 | 0.19 | 0.20 | 0.12 | -0.28 | 0.68 | 0.16 | 0.17 | 0.15 | -0.50 | 0.93 |
| 647 | CRMS0322-H01 | 1460 | 0.17 | 0.18 | 0.12 | -0.29 | 0.68 | 0.11 | 0.11 | 0.14 | -0.38 | 0.80 |
| 674 | CRMS0496-H01 | 1420 | 0.17 | 0.18 | 0.12 | -0.25 | 0.62 | 0.25 | 0.25 | 0.14 | -0.18 | 1.11 |
| 680 | CRMS0309-H01 | 1426 | 0.17 | 0.18 | 0.12 | -0.29 | 0.69 | 0.11 | 0.12 | 0.13 | -0.42 | 0.76 |
| 692 | CRMS0493-H01 | 1422 | 0.17 | 0.18 | 0.12 | -0.25 | 0.61 | 0.21 | 0.21 | 0.16 | -0.21 | 1.09 |
| 724 | CRMS0527-H01 | 1208 | 0.17 | 0.17 | 0.12 | -0.31 | 0.61 | 0.23 | 0.23 | 0.16 | -0.18 | 1.00 |
| 728 | CRMS1650-H01 | 1349 | 0.18 | 0.18 | 0.12 | -0.23 | 0.60 | 0.29 | 0.28 | 0.19 | -0.21 | 1.10 |
| 735 | CRMS0522-W01 | 1185 | 0.16 | 0.17 | 0.13 | -0.37 | 0.64 | 0.21 | 0.21 | 0.11 | -0.09 | 0.79 |
| 736 | CRMS0499-H01 | 1313 | 0.19 | 0.19 | 0.12 | -0.13 | 0.61 | 0.22 | 0.22 | 0.15 | -0.15 | 0.91 |
| 749 | CRMS0530-W01 | 1385 | 0.14 | 0.15 | 0.14 | -0.47 | 0.59 | 0.17 | 0.18 | 0.08 | -0.21 | 0.57 |
| 752 | CRMS0541-H01 | 1382 | 0.16 | 0.16 | 0.13 | -0.40 | 0.59 | 0.01 | 0.02 | 0.17 | -0.62 | 0.53 |
| 759 | CRMS0618-H01 | 1425 | 0.22 | 0.22 | 0.10 | -0.09 | 0.58 | 0.26 | 0.25 | 0.15 | -0.18 | 0.81 |
| 760 | CRMS0535-H01 | 1452 | 0.19 | 0.19 | 0.12 | -0.14 | 0.59 | 0.27 | 0.28 | 0.16 | -0.29 | 0.91 |
| 763 | CRMS0568-H01 | 1461 | 0.23 | 0.23 | 0.11 | -0.04 | 0.73 | 0.22 | 0.21 | 0.15 | -0.16 | 0.93 |
| 764 | CRMS0508-H01 | 1459 | 0.19 | 0.19 | 0.12 | -0.17 | 0.59 | 0.32 | 0.32 | 0.14 | -0.01 | 0.79 |
| 772 | CRMS0501-H01 | 1461 | 0.18 | 0.19 | 0.12 | -0.22 | 0.59 | 0.31 | 0.31 | 0.15 | -0.30 | 0.85 |
| 776 | CRMS1130-H01 | 1338 | 0.23 | 0.23 | 0.11 | -0.04 | 0.73 | 0.22 | 0.22 | 0.15 | -0.11 | 0.92 |
| 782 | CRMS0633-H01 | 1327 | 0.18 | 0.19 | 0.12 | -0.22 | 0.59 | 0.11 | 0.11 | 0.12 | -0.28 | 0.46 |
| 785 | CRMS1100-H01 | 1461 | 0.23 | 0.23 | 0.11 | -0.04 | 0.73 | 0.35 | 0.36 | 0.17 | -0.16 | 1.07 |
| 786 | CRMS0632-H01 | 1141 | 0.27 | 0.27 | 0.09 | 0.06 | 0.55 | 0.18 | 0.18 | 0.09 | -0.17 | 0.47 |
| 789 | CRMS0574-H01 | 1373 | 0.24 | 0.23 | 0.13 | -0.06 | 0.82 | 0.16 | 0.14 | 0.15 | -0.09 | 0.89 |
| 796 | CRMS0590-H01 | 1372 | 0.24 | 0.22 | 0.13 | -0.07 | 0.87 | 0.26 | 0.24 | 0.17 | -0.14 | 1.08 |
| 799 | CRMS0576-H01 | 1408 | 0.28 | 0.27 | 0.09 | 0.06 | 0.60 | 0.33 | 0.33 | 0.09 | 0.04 | 0.64 |
| 808 | CRMS0604-H01 | 1461 | 0.24 | 0.22 | 0.13 | -0.07 | 0.83 | 0.22 | 0.21 | 0.16 | -0.24 | 0.96 |
| 812 | CRMS0605-H01 | 1283 | 0.25 | 0.23 | 0.13 | -0.07 | 0.85 | 0.24 | 0.22 | 0.15 | -0.02 | 0.92 |
| 814 | CRMS0609-H01 | 1461 | 0.24 | 0.24 | 0.11 | -0.02 | 0.64 | 0.35 | 0.34 | 0.10 | 0.15 | 0.70 |
| 815 | 8767961 | 1459 | 0.16 | 0.16 | 0.15 | -0.34 | 0.95 | 0.08 | 0.09 | 0.17 | -0.76 | 0.59 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 817 | CRMS0584-H01 | 1435 | 0.23 | 0.22 | 0.12 | -0.06 | 0.82 | 0.17 | 0.15 | 0.13 | -0.16 | 0.76 |
| 826 | CRMS0553-H01 | 1321 | 0.24 | 0.23 | 0.12 | -0.06 | 0.84 | 0.27 | 0.26 | 0.15 | -0.06 | 0.92 |
| 827 | CRMS2493-H01 | 1358 | 0.24 | 0.22 | 0.13 | -0.06 | 0.82 | 0.15 | 0.13 | 0.16 | -0.20 | 0.84 |
| 831 | CRMS0614-H01 | 1338 | 0.24 | 0.23 | 0.10 | 0.01 | 0.53 | 0.14 | 0.13 | 0.11 | -0.10 | 0.49 |
| 852 | CRMS0687-H01 | 1420 | 0.15 | 0.16 | 0.14 | -0.34 | 0.56 | 0.28 | 0.29 | 0.18 | -0.44 | 0.92 |
| 856 | CRMS2418-H01 | 1457 | 0.21 | 0.20 | 0.12 | -0.10 | 0.68 | 0.06 | 0.05 | 0.11 | -0.14 | 0.43 |
| 863 | CRMS0685-H01 | 1367 | 0.17 | 0.16 | 0.12 | -0.15 | 0.56 | 0.26 | 0.26 | 0.14 | -0.12 | 0.74 |
| 868 | CRMS0697-H01 | 1432 | 0.18 | 0.18 | 0.15 | -0.36 | 0.80 | 0.28 | 0.28 | 0.13 | 0.06 | 0.81 |
| 869 | CRMS0658-H01 | 1450 | 0.20 | 0.19 | 0.12 | -0.08 | 0.70 | 0.26 | 0.26 | 0.14 | -0.11 | 0.79 |
| 874 | 08017118 | 1378 | 0.14 | 0.15 | 0.14 | -0.33 | 0.57 | 0.32 | 0.33 | 0.16 | -0.35 | 0.80 |
| 880 | 8768094 | 1460 | 0.14 | 0.14 | 0.14 | -0.35 | 0.58 | 0.02 | 0.03 | 0.17 | -0.70 | 0.54 |
| 893 | CRMS0655-H01 | 1421 | 0.17 | 0.16 | 0.12 | -0.12 | 0.64 | 0.31 | 0.31 | 0.12 | -0.02 | 0.61 |
| 896 | CRMS0641-H01 | 1388 | 0.20 | 0.19 | 0.12 | -0.08 | 0.73 | 0.25 | 0.24 | 0.11 | 0.02 | 0.54 |
| 898 | CRMS0694-H01 | 1329 | 0.21 | 0.20 | 0.12 | -0.07 | 0.68 | 0.29 | 0.29 | 0.11 | 0.06 | 0.55 |
| 899 | CRMS0663-H01 | 1445 | 0.20 | 0.19 | 0.12 | -0.08 | 0.70 | 0.30 | 0.30 | 0.12 | 0.03 | 0.82 |
| 906 | CRMS0683-H01 | 1369 | 0.21 | 0.20 | 0.12 | -0.08 | 0.70 | 0.30 | 0.30 | 0.10 | 0.11 | 0.65 |
| 907 | CRMS0661-H01 | 1433 | 0.21 | 0.20 | 0.12 | -0.05 | 0.74 | 0.29 | 0.29 | 0.11 | 0.01 | 0.65 |
| 916 | CRMS0684-H01 | 1455 | 0.17 | 0.17 | 0.15 | -0.36 | 0.67 | 0.29 | 0.28 | 0.13 | -0.03 | 0.77 |
| 926 | 8770570 | 1461 | 0.15 | 0.15 | 0.15 | -0.46 | 0.66 | 0.26 | 0.27 | 0.16 | -0.47 | 0.79 |

**Table 2: Model Performance for Mean Daily Stage (NAVD88 meters) for Calibration Period 2010-2013.**

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | CRMS1069-H01 | 1412 | 0.09 | 0.00 | 0.05 | 0.00 | 0.04 | 0.00 | 0.02 | 0.00 |
| 22 | CRMS0003-H01 | 1461 | 0.09 | 0.03 | 0.05 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| 23 | CRMS6090-H01 | 1415 | 0.24 | 0.14 | 0.18 | 0.14 | 0.16 | 0.13 | 0.14 | 0.14 |
| 25 | CRMS0035-H01 | 1460 | 0.16 | 0.09 | 0.11 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 |
| 28 | CRMS1024-H01 | 1449 | 0.17 | 0.14 | 0.15 | 0.14 | 0.15 | 0.14 | 0.14 | 0.14 |
| 30 | CRMS4406-H01 | 1461 | 0.16 | 0.12 | 0.14 | 0.12 | 0.13 | 0.12 | 0.12 | 0.12 |
| 32 | CRMS0108-H01 | 1459 | 0.13 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.09 | 0.08 |
| 35 | CRMS3784-H01 | 1459 | 0.14 | 0.11 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 36 | CRMS0006-H01 | 1429 | 0.10 | 0.00 | 0.06 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 |
| 37 | CRMS0002-H01 | 1459 | 0.11 | 0.06 | 0.09 | 0.06 | 0.08 | 0.06 | 0.07 | 0.06 |
| 42 | CRMS4557-H01 | 1399 | 0.13 | 0.08 | 0.09 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 46 | CRMS3650-H01 | 1386 | 0.14 | 0.08 | 0.11 | 0.08 | 0.09 | 0.08 | 0.09 | 0.08 |
| 48 | CRMS4094-H01 | 1461 | 0.13 | -0.03 | 0.08 | -0.03 | 0.06 | -0.03 | 0.04 | -0.03 |
| 53 | CRMS4551-H01 | 1322 | 0.13 | 0.04 | 0.08 | 0.04 | 0.07 | 0.04 | 0.05 | 0.04 |
| 56 | CRMS0103-H01 | 1457 | 0.14 | 0.01 | 0.09 | 0.01 | 0.08 | 0.01 | 0.02 | 0.01 |
| 62 | CRMS0161-H01 | 1446 | 0.09 | -0.05 | 0.07 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 |
| 63 | 8761927 | 1461 | 0.16 | 0.11 | 0.13 | 0.11 | 0.12 | 0.11 | 0.11 | 0.11 |
| 66 | CRMS3641-H01 | 1457 | 0.09 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 | 0.05 | -0.05 |
| 67 | 07374526 | 1410 | 0.18 | -0.01 | 0.15 | -0.01 | 0.14 | -0.01 | 0.11 | -0.01 |
| 71 | 073745257 | 1290 | 0.17 | 0.11 | 0.14 | 0.12 | 0.13 | 0.11 | 0.12 | 0.11 |
| 72 | CRMS4355-H01 | 1334 | 0.15 | 0.11 | 0.13 | 0.10 | 0.12 | 0.11 | 0.11 | 0.11 |
| 76 | CRMS2627-H01 | 1378 | 0.12 | -0.04 | 0.11 | -0.04 | 0.11 | -0.04 | 0.06 | -0.03 |
| 77 | CRMS2614-H01 | 1385 | 0.21 | -0.14 | 0.19 | -0.14 | 0.18 | -0.15 | 0.16 | -0.15 |
| 80 | CRMS0030-H01 | 1433 | 0.12 | 0.01 | 0.07 | 0.01 | 0.05 | 0.01 | 0.03 | 0.01 |
| 82 | 07374527 | 1429 | 0.16 | 0.08 | 0.11 | 0.08 | 0.10 | 0.08 | 0.09 | 0.08 |
| 83 | 295124089542100 | 1422 | 0.13 | -0.04 | 0.10 | -0.04 | 0.08 | -0.04 | 0.04 | -0.04 |
| 90 | CRMS0153-H01 | 1337 | 0.19 | -0.16 | 0.18 | -0.16 | 0.18 | -0.17 | 0.17 | -0.17 |
| 92 | CRMS4448-H01 | 1449 | 0.11 | -0.08 | 0.10 | -0.08 | 0.10 | -0.08 | 0.08 | -0.08 |
| 97 | CRMS0046-H01 | 1446 | 0.14 | 0.03 | 0.09 | 0.03 | 0.08 | 0.03 | 0.05 | 0.03 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annua l RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 103 | CRMS0117-W01 | 1183 | 0.12 | 0.04 | 0.08 | 0.04 | 0.08 | 0.05 | 0.06 | 0.05 |
| 105 | CRMS0156-H01 | 1454 | 0.13 | -0.11 | 0.12 | -0.11 | 0.12 | -0.11 | 0.11 | -0.11 |
| 107 | CRMS0121-H01 | 1296 | 0.17 | 0.11 | 0.13 | 0.11 | 0.12 | 0.10 | 0.11 | 0.11 |
| 110 | CRMS0139-H01 | 1448 | 0.13 | -0.07 | 0.10 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 |
| 111 | 073745258 | 1379 | 0.15 | 0.00 | 0.09 | 0.00 | 0.08 | -0.00 | 0.04 | -0.00 |
| 115 | CRMS2608-H01 | 1428 | 0.16 | -0.14 | 0.15 | -0.14 | 0.15 | -0.14 | 0.14 | -0.14 |
| 116 | CRMS0135-H01 | 1381 | 0.18 | 0.14 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 |
| 120 | CRMS0129-H01 | 1422 | 0.23 | 0.18 | 0.21 | 0.18 | 0.21 | 0.18 | 0.19 | 0.18 |
| 134 | CRMS0115-H01 | 1281 | 0.13 | 0.06 | 0.10 | 0.06 | 0.09 | 0.06 | 0.07 | 0.06 |
| 135 | CRMS0118-H01 | 1293 | 0.13 | -0.08 | 0.10 | -0.08 | 0.10 | -0.08 | 0.08 | -0.08 |
| 136 | CRMS3913-H01 | 1426 | 0.14 | 0.06 | 0.10 | 0.06 | 0.09 | 0.06 | 0.07 | 0.06 |
| 152 | CRMS0125-H01 | 1424 | 0.12 | -0.03 | 0.09 | -0.03 | 0.07 | -0.03 | 0.05 | -0.03 |
| 155 | CRMS0136-H01 | 1426 | 0.21 | 0.16 | 0.17 | 0.16 | 0.17 | 0.16 | 0.16 | 0.16 |
| 156 | CRMS0159-H01 | 1443 | 0.11 | -0.10 | 0.11 | -0.09 | 0.11 | -0.10 | 0.10 | -0.10 |
| 166 | CRMS0132-H01 | 1398 | 0.16 | 0.08 | 0.11 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 |
| 186 | CRMS6299-H01 | 1373 | 0.13 | -0.03 | 0.09 | -0.03 | 0.07 | -0.03 | 0.05 | -0.03 |
| 191 | CRMS0163-H01 | 1395 | 0.08 | -0.05 | 0.07 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 |
| 197 | CRMS0173-H01 | 1372 | 0.10 | 0.03 | 0.06 | 0.03 | 0.06 | 0.03 | 0.03 | 0.03 |
| 198 | CRMS0272-H01 | 1398 | 0.08 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 |
| 208 | CRMS3680-H01 | 1425 | 0.10 | 0.02 | 0.06 | 0.02 | 0.05 | 0.02 | 0.03 | 0.02 |
| 215 | CRMS5267-H01 | 1460 | 0.18 | 0.12 | 0.15 | 0.12 | 0.14 | 0.12 | 0.12 | 0.12 |
| 216 | CRMS0260-H01 | 1431 | 0.10 | 0.00 | 0.06 | 0.00 | 0.05 | -0.00 | 0.02 | 0.00 |
| 223 | CRMS0287-H01 | 1391 | 0.14 | -0.12 | 0.13 | -0.12 | 0.13 | -0.12 | 0.12 | -0.12 |
| 225 | CRMS0276-H01 | 1386 | 0.12 | -0.09 | 0.10 | -0.09 | 0.10 | -0.09 | 0.09 | -0.09 |
| 227 | CRMS4529-H01 | 1383 | 0.10 | 0.06 | 0.07 | 0.06 | 0.07 | 0.05 | 0.06 | 0.06 |
| 231 | CRMS0174-H01 | 1387 | 0.08 | -0.03 | 0.05 | -0.03 | 0.04 | -0.02 | 0.03 | -0.02 |
| 234 | CRMS0263-H01 | 1456 | 0.10 | -0.02 | 0.06 | -0.02 | 0.05 | -0.02 | 0.02 | -0.02 |
| 236 | CRMS0047-H01 | 1385 | 0.13 | -0.02 | 0.09 | -0.02 | 0.08 | -0.02 | 0.04 | -0.02 |
| 238 | CRMS0226-H01 | 1261 | 0.10 | 0.00 | 0.05 | 0.00 | 0.05 | 0.00 | 0.02 | 0.00 |
| 239 | CRMS0181-H01 | 1401 | 0.07 | 0.03 | 0.05 | 0.04 | 0.05 | 0.03 | 0.04 | 0.03 |
| 243 | CRMS3169-H01 | 1332 | 0.16 | 0.09 | 0.14 | 0.09 | 0.13 | 0.09 | 0.10 | 0.09 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 246 | CRMS4103-H01 | 1461 | 0.14 | -0.09 | 0.11 | -0.09 | 0.11 | -0.09 | 0.09 | -0.09 |
| 247 | CRMS3617-H01 | 1460 | 0.11 | -0.05 | 0.08 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 |
| 248 | CRMS0188-H01 | 1461 | 0.12 | -0.06 | 0.10 | -0.06 | 0.09 | -0.06 | 0.07 | -0.06 |
| 252 | CRMS0172-H01 | 1405 | 0.06 | -0.03 | 0.04 | -0.03 | 0.04 | -0.03 | 0.03 | -0.03 |
| 256 | CRMS3985-H01 | 1359 | 0.12 | -0.07 | 0.10 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 |
| 258 | CRMS0038-H01 | 1459 | 0.14 | -0.01 | 0.10 | -0.01 | 0.07 | -0.01 | 0.04 | -0.01 |
| 259 | CRMS0251-H01 | 1353 | 0.09 | -0.02 | 0.05 | -0.01 | 0.04 | -0.02 | 0.02 | -0.02 |
| 260 | CRMS0237-H01 | 1438 | 0.09 | -0.02 | 0.05 | -0.01 | 0.05 | -0.02 | 0.03 | -0.02 |
| 261 | CRMS5373-H01 | 1461 | 0.15 | -0.07 | 0.13 | -0.07 | 0.11 | -0.07 | 0.08 | -0.07 |
| 264 | CRMS0261-H01 | 1460 | 0.11 | -0.05 | 0.08 | -0.05 | 0.07 | -0.05 | 0.05 | -0.05 |
| 266 | CRMS0176-H01 | 794 | 0.08 | -0.02 | 0.05 | -0.02 | 0.04 | -0.02 | 0.02 | -0.03 |
| 277 | CRMS4245-H01 | 1396 | 0.12 | -0.07 | 0.09 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 |
| 278 | CRMS0232-H01 | 1394 | 0.09 | -0.01 | 0.05 | -0.01 | 0.05 | -0.01 | 0.02 | -0.01 |
| 280 | 07380251 | 1417 | 0.10 | -0.03 | 0.06 | -0.03 | 0.06 | -0.03 | 0.04 | -0.03 |
| 283 | CRMS0211-H01 | 1384 | 0.17 | -0.13 | 0.15 | -0.13 | 0.14 | -0.13 | 0.14 | -0.13 |
| 285 | 292800090060000 | 1413 | 0.12 | -0.06 | 0.10 | -0.06 | 0.09 | -0.06 | 0.06 | -0.06 |
| 286 | CRMS5167-H01 | 1461 | 0.14 | 0.04 | 0.10 | 0.04 | 0.09 | 0.04 | 0.05 | 0.04 |
| 287 | CRMS0278-H01 | 1461 | 0.10 | -0.05 | 0.08 | -0.05 | 0.07 | -0.05 | 0.05 | -0.05 |
| 296 | 07381235 | 1440 | 0.10 | 0.04 | 0.07 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 297 | CRMS0268-H01 | 1433 | 0.13 | -0.03 | 0.11 | -0.03 | 0.10 | -0.03 | 0.04 | -0.03 |
| 298 | CRMS0206-H01 | 1384 | 0.12 | -0.03 | 0.11 | -0.03 | 0.09 | -0.03 | 0.05 | -0.03 |
| 306 | 07381235 | 1440 | 0.11 | 0.07 | 0.09 | 0.07 | 0.09 | 0.07 | 0.08 | 0.07 |
| 307 | CRMS0178-H01 | 1422 | 0.09 | 0.05 | 0.07 | 0.05 | 0.06 | 0.05 | 0.06 | 0.05 |
| 315 | 07381350 | 1460 | 0.09 | -0.01 | 0.06 | -0.01 | 0.06 | -0.01 | 0.02 | -0.01 |
| 322 | CRMS0312-H01 | 1376 | 0.10 | -0.00 | 0.06 | -0.00 | 0.05 | -0.01 | 0.02 | -0.00 |
| 327 | CRMS0367-H01 | 1461 | 0.10 | -0.00 | 0.08 | -0.00 | 0.07 | -0.00 | 0.03 | -0.00 |
| 329 | CRMS0386-H01 | 1378 | 0.11 | 0.01 | 0.06 | 0.01 | 0.05 | 0.01 | 0.02 | 0.01 |
| 331 | CRMS0175-H01 | 1401 | 0.09 | 0.02 | 0.05 | 0.02 | 0.04 | 0.02 | 0.03 | 0.02 |
| 334 | 07381355 | 1460 | 0.10 | -0.03 | 0.07 | -0.02 | 0.06 | -0.03 | 0.03 | -0.03 |
| 335 | CRMS0397-H01 | 1427 | 0.11 | 0.06 | 0.08 | 0.06 | 0.08 | 0.06 | 0.07 | 0.06 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annua l RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 339 | CRMS0331-H01 | 1458 | 0.10 | -0.04 | 0.08 | -0.05 | 0.07 | -0.04 | 0.05 | -0.04 |
| 344 | CRMS0164-H01 | 1437 | 0.08 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.05 | 0.04 |
| 345 | CRMS0310-H01 | 1449 | 0.10 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 346 | CRMS2825-H01 | 1433 | 0.08 | 0.02 | 0.06 | 0.02 | 0.05 | 0.02 | 0.02 | 0.02 |
| 350 | CRMS0400-H01 | 1461 | 0.12 | -0.09 | 0.11 | -0.09 | 0.11 | -0.09 | 0.10 | -0.09 |
| 353 | CRMS0336-H01 | 1461 | 0.11 | 0.05 | 0.07 | 0.05 | 0.07 | 0.05 | 0.05 | 0.05 |
| 364 | CRMS3296-H01 | 1400 | 0.12 | -0.05 | 0.07 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 |
| 365 | 07381331 | 1442 | 0.11 | 0.08 | 0.09 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 371 | CRMS0318-H01 | 1404 | 0.07 | -0.00 | 0.04 | -0.01 | 0.03 | -0.00 | 0.02 | -0.00 |
| 373 | CRMS0338-H01 | 1435 | 0.09 | 0.03 | 0.06 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 |
| 381 | CRMS0315-H01 | 1412 | 0.15 | -0.11 | 0.12 | -0.11 | 0.11 | -0.11 | 0.11 | -0.11 |
| 383 | 07381343 | 1421 | 0.12 | -0.07 | 0.09 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 |
| 386 | 073813375 | 1373 | 0.15 | -0.09 | 0.11 | -0.08 | 0.10 | -0.08 | 0.09 | -0.08 |
| 399 | CRMS0390-H01 | 1433 | 0.09 | -0.03 | 0.07 | -0.02 | 0.06 | -0.03 | 0.03 | -0.03 |
| 419 | CRMS0292-H01 | 1461 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| 439 | CRMS0341-H01 | 1405 | 0.11 | -0.00 | 0.08 | -0.00 | 0.07 | -0.00 | 0.03 | -0.00 |
| 441 | CRMS0403-H01 | 1334 | 0.18 | 0.14 | 0.18 | 0.14 | 0.16 | 0.14 | 0.14 | 0.14 |
| 450 | 07381328 | 1437 | 0.13 | -0.10 | 0.11 | -0.10 | 0.11 | -0.10 | 0.10 | -0.10 |
| 467 | 295447091191500 | 1401 | 0.25 | -0.21 | 0.25 | -0.21 | 0.24 | -0.21 | 0.21 | -0.21 |
| 468 | CRMS2887-H01 | 1456 | 0.09 | 0.04 | 0.08 | 0.04 | 0.08 | 0.04 | 0.06 | 0.04 |
| 472 | 073814675 | 1390 | 0.17 | -0.13 | 0.16 | -0.13 | 0.16 | -0.13 | 0.14 | -0.13 |
| 480 | CRMS0382-H01 | 1461 | 0.18 | 0.14 | 0.18 | 0.14 | 0.18 | 0.14 | 0.14 | 0.14 |
| 494 | CRMS0369-H01 | 1459 | 0.13 | -0.10 | 0.11 | -0.10 | 0.11 | -0.10 | 0.10 | -0.10 |
| 497 | CRMS0409-H01 | 1461 | 0.13 | 0.11 | 0.13 | 0.11 | 0.12 | 0.11 | 0.11 | 0.11 |
| 508 | CRMS0434-H01 | 1421 | 0.08 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 518 | CRMS0296-H01 | 1377 | 0.09 | 0.04 | 0.08 | 0.04 | 0.07 | 0.04 | 0.05 | 0.04 |
| 520 | CRMS0411-H01 | 1461 | 0.14 | 0.12 | 0.14 | 0.12 | 0.13 | 0.12 | 0.12 | 0.12 |
| 522 | 07381600 | 1455 | 0.19 | -0.17 | 0.19 | -0.17 | 0.18 | -0.17 | 0.17 | -0.17 |
| 524 | CRMS2785-H01 | 1371 | 0.11 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 |
| 525 | CRMS2862-H01 | 1439 | 0.08 | 0.05 | 0.07 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annua l RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 526 | 07381567 | 1215 | 0.38 | -0.35 | 0.38 | -0.36 | 0.36 | -0.33 | 0.36 | -0.36 |
| 527 | 073815450 | 1430 | 0.22 | -0.18 | 0.22 | -0.18 | 0.22 | -0.18 | 0.19 | -0.18 |
| 535 | CRMS2881-H01 | 1461 | 0.11 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.09 | 0.08 |
| 539 | CRMS0398-H01 | 1379 | 0.08 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 540 | CRMS0395-H01 | 1377 | 0.08 | 0.00 | 0.05 | 0.00 | 0.05 | 0.00 | 0.02 | 0.00 |
| 545 | 8764044 | 1456 | 0.10 | 0.05 | 0.08 | 0.05 | 0.08 | 0.05 | 0.05 | 0.05 |
| 550 | 073816503 | 1419 | 0.18 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 |
| 551 | CRMS0345-H01 | 1372 | 0.19 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| 556 | CRMS0327-H01 | 1368 | 0.11 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 |
| 557 | CRMS0329-H01 | 1444 | 0.09 | 0.06 | 0.08 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 560 | CRMS4045-H01 | 1282 | 0.09 | 0.04 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 |
| 561 | CRMS0311-H01 | 1461 | 0.06 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 | 0.03 | 0.02 |
| 564 | CRMS0354-H01 | 1349 | 0.09 | 0.05 | 0.07 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 |
| 567 | CRMS0371-H01 | 1430 | 0.12 | 0.10 | 0.11 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 |
| 570 | CRMS4938-H01 | 1457 | 0.19 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 |
| 575 | CRMS0374-H01 | 1460 | 0.06 | 0.03 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 | 0.03 |
| 578 | CRMS0461-H01 | 1461 | 0.18 | 0.13 | 0.17 | 0.13 | 0.17 | 0.13 | 0.14 | 0.13 |
| 583 | CRMS0332-H01 | 1428 | 0.08 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 |
| 585 | CRMS4455-H01 | 1433 | 0.06 | 0.03 | 0.05 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| 587 | CRMS5992-H01 | 1399 | 0.13 | -0.06 | 0.09 | -0.06 | 0.08 | -0.06 | 0.06 | -0.06 |
| 588 | CRMS0365-H01 | 1453 | 0.08 | 0.03 | 0.06 | 0.03 | 0.06 | 0.03 | 0.04 | 0.03 |
| 591 | 07381670 | 1418 | 0.23 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 595 | CRMS6038-H01 | 1460 | 0.20 | 0.18 | 0.19 | 0.18 | 0.19 | 0.18 | 0.18 | 0.18 |
| 596 | CRMS0513-H01 | 1461 | 0.22 | -0.13 | 0.15 | -0.12 | 0.15 | -0.12 | 0.13 | -0.13 |
| 599 | CRMS0376-H01 | 1401 | 0.07 | 0.01 | 0.05 | 0.01 | 0.05 | 0.01 | 0.03 | 0.01 |
| 600 | CRMS4779-H01 | 1382 | 0.13 | 0.08 | 0.11 | 0.07 | 0.11 | 0.07 | 0.09 | 0.08 |
| 601 | CRMS0399-H01 | 1371 | 0.06 | 0.02 | 0.05 | 0.02 | 0.04 | 0.02 | 0.03 | 0.03 |
| 607 | CRMS0551-H01 | 1461 | 0.10 | -0.07 | 0.09 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 |
| 609 | CRMS0302-H01 | 1461 | 0.06 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 | 0.03 | 0.02 |
| 611 | CRMS0463-H01 | 1461 | 0.17 | 0.11 | 0.16 | 0.11 | 0.15 | 0.11 | 0.11 | 0.11 |
| 615 | CRMS0303-H01 | 1428 | 0.11 | 0.04 | 0.09 | 0.04 | 0.07 | 0.04 | 0.04 | 0.04 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annua l RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 617 | CRMS0326-H01 | 1401 | 0.07 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.05 | 0.04 |
| 619 | CRMS0305-H01 | 1443 | 0.10 | 0.05 | 0.07 | 0.05 | 0.07 | 0.05 | 0.05 | 0.05 |
| 625 | CRMS0377-H01 | 1452 | 0.07 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 |
| 628 | CRMS6304-H01 | 1461 | 0.08 | -0.01 | 0.05 | -0.01 | 0.05 | -0.01 | 0.04 | -0.01 |
| 633 | CRMS0544-H01 | 1181 | 0.10 | -0.05 | 0.07 | -0.05 | 0.06 | -0.05 | 0.06 | -0.05 |
| 634 | CRMS0543-H01 | 1409 | 0.10 | -0.04 | 0.07 | -0.04 | 0.06 | -0.04 | 0.04 | -0.04 |
| 635 | CRMS0464-H01 | 1389 | 0.17 | -0.14 | 0.16 | -0.14 | 0.16 | -0.15 | 0.15 | -0.14 |
| 655 | 8764227 | 1453 | 0.09 | 0.03 | 0.07 | 0.03 | 0.07 | 0.03 | 0.03 | 0.03 |
| 647 | CRMS0322-H01 | 1460 | 0.08 | 0.06 | 0.07 | 0.06 | 0.07 | 0.06 | 0.07 | 0.06 |
| 674 | CRMS0496-H01 | 1420 | 0.11 | -0.07 | 0.09 | -0.07 | 0.09 | -0.08 | 0.08 | -0.07 |
| 680 | CRMS0309-H01 | 1426 | 0.08 | 0.06 | 0.07 | 0.06 | 0.07 | 0.06 | 0.07 | 0.06 |
| 692 | CRMS0493-H01 | 1422 | 0.11 | -0.03 | 0.07 | -0.03 | 0.06 | -0.04 | 0.03 | -0.03 |
| 724 | CRMS0527-H01 | 1208 | 0.13 | -0.07 | 0.10 | -0.07 | 0.09 | -0.07 | 0.09 | -0.08 |
| 728 | CRMS1650-H01 | 1349 | 0.16 | -0.11 | 0.13 | -0.11 | 0.12 | -0.11 | 0.11 | -0.11 |
| 735 | CRMS0522-W01 | 1185 | 0.10 | -0.05 | 0.08 | -0.05 | 0.07 | -0.05 | 0.05 | -0.05 |
| 736 | CRMS0499-H01 | 1313 | 0.09 | -0.03 | 0.06 | -0.03 | 0.05 | -0.04 | 0.04 | -0.03 |
| 749 | CRMS0530-W01 | 1385 | 0.12 | -0.02 | 0.09 | -0.02 | 0.08 | -0.02 | 0.03 | -0.02 |
| 752 | CRMS0541-H01 | 1382 | 0.17 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 759 | CRMS0618-H01 | 1425 | 0.12 | -0.04 | 0.08 | -0.04 | 0.08 | -0.05 | 0.05 | -0.05 |
| 760 | CRMS0535-H01 | 1452 | 0.13 | -0.08 | 0.10 | -0.09 | 0.10 | -0.08 | 0.08 | -0.08 |
| 763 | CRMS0568-H01 | 1461 | 0.11 | 0.01 | 0.10 | 0.01 | 0.10 | 0.01 | 0.03 | 0.01 |
| 764 | CRMS0508-H01 | 1459 | 0.17 | -0.14 | 0.16 | -0.13 | 0.15 | -0.14 | 0.15 | -0.14 |
| 772 | CRMS0501-H01 | 1461 | 0.15 | -0.12 | 0.13 | -0.12 | 0.13 | -0.12 | 0.12 | -0.12 |
| 776 | CRMS1130-H01 | 1338 | 0.10 | 0.01 | 0.09 | 0.01 | 0.10 | 0.02 | 0.04 | 0.01 |
| 782 | CRMS0633-H01 | 1327 | 0.09 | 0.07 | 0.08 | 0.07 | 0.08 | 0.07 | 0.08 | 0.07 |
| 785 | CRMS1100-H01 | 1461 | 0.17 | -0.11 | 0.17 | -0.11 | 0.17 | -0.11 | 0.12 | -0.11 |
| 786 | CRMS0632-H01 | 1141 | 0.13 | 0.09 | 0.13 | 0.09 | 0.14 | 0.11 | 0.12 | 0.10 |
| 789 | CRMS0574-H01 | 1373 | 0.12 | 0.08 | 0.12 | 0.08 | 0.12 | 0.08 | 0.08 | 0.08 |
| 796 | CRMS0590-H01 | 1372 | 0.11 | -0.01 | 0.11 | -0.01 | 0.10 | -0.02 | 0.04 | -0.02 |
| 799 | CRMS0576-H01 | 1408 | 0.10 | -0.05 | 0.09 | -0.05 | 0.09 | -0.05 | 0.05 | -0.05 |
| 808 | CRMS0604-H01 | 1461 | 0.11 | 0.02 | 0.11 | 0.02 | 0.10 | 0.02 | 0.03 | 0.02 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 812 | CRMS0605-H01 | 1283 | 0.11 | 0.01 | 0.11 | -0.00 | 0.10 | 0.02 | 0.03 | 0.01 |
| 814 | CRMS0609-H01 | 1461 | 0.13 | -0.10 | 0.12 | -0.11 | 0.11 | -0.10 | 0.11 | -0.10 |
| 815 | 8767961 | 1459 | 0.14 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 |
| 817 | CRMS0584-H01 | 1435 | 0.11 | 0.06 | 0.09 | 0.06 | 0.09 | 0.06 | 0.07 | 0.06 |
| 826 | CRMS0553-H01 | 1321 | 0.12 | -0.03 | 0.12 | -0.03 | 0.11 | -0.03 | 0.05 | -0.03 |
| 827 | CRMS2493-H01 | 1358 | 0.15 | 0.08 | 0.14 | 0.08 | 0.14 | 0.09 | 0.10 | 0.08 |
| 831 | CRMS0614-H01 | 1338 | 0.11 | 0.09 | 0.11 | 0.09 | 0.11 | 0.10 | 0.10 | 0.09 |
| 852 | CRMS0687-H01 | 1420 | 0.18 | -0.12 | 0.15 | -0.13 | 0.14 | -0.12 | 0.13 | -0.12 |
| 856 | CRMS2418-H01 | 1457 | 0.17 | 0.16 | 0.17 | 0.16 | 0.17 | 0.16 | 0.16 | 0.16 |
| 863 | CRMS0685-H01 | 1367 | 0.12 | -0.09 | 0.10 | -0.09 | 0.10 | -0.09 | 0.09 | -0.09 |
| 868 | CRMS0697-H01 | 1432 | 0.12 | -0.10 | 0.11 | -0.10 | 0.11 | -0.10 | 0.10 | -0.10 |
| 869 | CRMS0658-H01 | 1450 | 0.12 | -0.06 | 0.08 | -0.06 | 0.07 | -0.06 | 0.06 | -0.06 |
| 874 | 08017118 | 1378 | 0.20 | -0.18 | 0.19 | -0.18 | 0.19 | -0.18 | 0.18 | -0.18 |
| 880 | 8768094 | 1460 | 0.15 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 893 | CRMS0655-H01 | 1421 | 0.16 | -0.13 | 0.15 | -0.13 | 0.15 | -0.13 | 0.14 | -0.13 |
| 896 | CRMS0641-H01 | 1388 | 0.08 | -0.05 | 0.08 | -0.05 | 0.07 | -0.05 | 0.05 | -0.05 |
| 898 | CRMS0694-H01 | 1329 | 0.12 | -0.08 | 0.11 | -0.09 | 0.10 | -0.08 | 0.08 | -0.08 |
| 899 | CRMS0663-H01 | 1445 | 0.12 | -0.10 | 0.11 | -0.10 | 0.10 | -0.10 | 0.10 | -0.10 |
| 906 | CRMS0683-H01 | 1369 | 0.11 | -0.09 | 0.10 | -0.10 | 0.10 | -0.09 | 0.10 | -0.09 |
| 907 | CRMS0661-H01 | 1433 | 0.10 | -0.08 | 0.09 | -0.08 | 0.09 | -0.08 | 0.08 | -0.08 |
| 916 | CRMS0684-H01 | 1455 | 0.12 | -0.11 | 0.12 | -0.11 | 0.12 | -0.11 | 0.11 | -0.11 |
| 926 | 8770570 | 1461 | 0.13 | -0.12 | 0.12 | -0.12 | 0.12 | -0.12 | 0.12 | -0.12 |

**Table 3: Summary of Modeled and Observed Mean Daily Stage (NAVD88 meters) for Validation Period 2006-2009.**

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 20 | CRMS1069-H01 | 779 | 0.20 | 0.20 | 0.14 | -0.27 | 1.09 | 0.16 | 0.13 | 0.15 | -0.17 | 1.50 |
| 22 | CRMS0003-H01 | 792 | 0.21 | 0.20 | 0.15 | -0.27 | 1.09 | 0.14 | 0.11 | 0.18 | -0.40 | 1.30 |
| 23 | CRMS6090-H01 | 832 | 0.45 | 0.30 | 0.41 | -0.18 | 2.16 | 0.25 | 0.11 | 0.41 | -0.35 | 2.58 |
| 25 | CRMS0035-H01 | 837 | 0.26 | 0.24 | 0.17 | -0.24 | 1.07 | 0.14 | 0.09 | 0.23 | -0.35 | 1.59 |
| 28 | CRMS1024-H01 | 646 | 0.23 | 0.22 | 0.14 | -0.18 | 1.09 | 0.04 | 0.01 | 0.19 | -0.46 | 1.38 |
| 30 | CRMS4406-H01 | 762 | 0.23 | 0.22 | 0.14 | -0.25 | 1.06 | 0.09 | 0.06 | 0.19 | -0.35 | 1.29 |
| 32 | CRMS0108-H01 | 646 | 0.20 | 0.20 | 0.14 | -0.27 | 1.08 | 0.06 | 0.04 | 0.18 | -0.32 | 1.67 |
| 35 | CRMS3784-H01 | 705 | 0.23 | 0.22 | 0.14 | -0.16 | 1.06 | 0.08 | 0.05 | 0.18 | -0.27 | 1.48 |
| 36 | CRMS0006-H01 | 588 | 0.25 | 0.23 | 0.13 | -0.09 | 0.69 | 0.19 | 0.17 | 0.16 | -0.17 | 0.90 |
| 37 | CRMS0002-H01 | 807 | 0.23 | 0.21 | 0.15 | -0.26 | 1.04 | 0.14 | 0.10 | 0.19 | -0.28 | 1.28 |
| 42 | CRMS4557-H01 | 709 | 0.22 | 0.22 | 0.14 | -0.15 | 1.04 | 0.12 | 0.08 | 0.21 | -0.32 | 1.94 |
| 46 | CRMS3650-H01 | 789 | 0.21 | 0.21 | 0.14 | -0.27 | 0.77 | 0.07 | 0.05 | 0.19 | -0.44 | 1.01 |
| 48 | CRMS4094-H01 | 449 | 0.25 | 0.24 | 0.15 | -0.17 | 0.71 | 0.22 | 0.20 | 0.21 | -0.49 | 0.88 |
| 53 | CRMS4551-H01 | 682 | 0.24 | 0.23 | 0.14 | -0.16 | 1.06 | 0.15 | 0.12 | 0.20 | -0.28 | 1.49 |
| 56 | CRMS0103-H01 | 800 | 0.28 | 0.25 | 0.18 | -0.06 | 1.65 | 0.24 | 0.19 | 0.23 | -0.22 | 1.75 |
| 62 | CRMS0161-H01 | 865 | 0.20 | 0.19 | 0.14 | -0.27 | 1.08 | 0.17 | 0.14 | 0.16 | -0.21 | 1.14 |
| 63 | 8761927 | 1439 | 0.21 | 0.20 | 0.14 | -0.26 | 1.01 | 0.06 | 0.03 | 0.20 | -0.54 | 1.42 |
| 66 | CRMS3641-H01 | 784 | 0.22 | 0.21 | 0.15 | -0.26 | 1.05 | 0.22 | 0.22 | 0.14 | -0.19 | 0.63 |
| 67 | 07374526 | 751 | 0.20 | 0.19 | 0.13 | -0.24 | 0.78 | 0.12 | 0.10 | 0.21 | -0.51 | 1.20 |
| 71 | 073745257 | 796 | 0.24 | 0.23 | 0.13 | -0.05 | 0.93 | 0.10 | 0.07 | 0.22 | -0.63 | 1.93 |
| 72 | CRMS4355-H01 | 345 | 0.27 | 0.26 | 0.12 | -0.03 | 0.62 | 0.13 | 0.11 | 0.18 | -0.33 | 0.67 |
| 76 | CRMS2627-H01 | 512 | 0.47 | 0.44 | 0.14 | 0.18 | 0.83 | 0.39 | 0.38 | 0.12 | 0.02 | 1.24 |
| 77 | CRMS2614-H01 | 880 | 0.19 | 0.19 | 0.13 | -0.27 | 0.80 | 0.27 | 0.26 | 0.15 | -0.09 | 1.23 |
| 80 | CRMS0030-H01 | 950 | 0.24 | 0.23 | 0.14 | -0.26 | 0.95 | 0.19 | 0.15 | 0.20 | -0.12 | 1.67 |
| 82 | 07374527 | 455 | 0.22 | 0.20 | 0.15 | -0.23 | 1.05 | 0.37 | 0.33 | 0.24 | -0.19 | 2.15 |
| 83 | 295124089542100 | 785 | 0.36 | 0.36 | 0.08 | 0.02 | 0.66 | 0.49 | 0.46 | 0.24 | -0.23 | 1.12 |
| 90 | CRMS0153-H01 | 734 | 0.22 | 0.21 | 0.12 | -0.11 | 1.04 | 0.27 | 0.25 | 0.15 | -0.12 | 1.23 |
| 92 | CRMS4448-H01 | 673 | 0.46 | 0.44 | 0.13 | 0.18 | 1.08 | 0.45 | 0.45 | 0.16 | 0.09 | 1.39 |
| 97 | CRMS0046-H01 | 835 | 0.25 | 0.23 | 0.16 | -0.26 | 0.95 | 0.15 | 0.11 | 0.23 | -0.38 | 1.41 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 103 | CRMS0117-W01 | 775 | 0.31 | 0.30 | 0.09 | 0.02 | 0.81 | 0.32 | 0.29 | 0.18 | -0.10 | 1.37 |
| 105 | CRMS0156-H01 | 919 | 0.30 | 0.28 | 0.13 | -0.06 | 1.05 | 0.29 | 0.28 | 0.14 | -0.07 | 1.16 |
| 107 | CRMS0121-H01 | 551 | 0.23 | 0.22 | 0.12 | -0.03 | 0.61 | 0.11 | 0.08 | 0.17 | -0.25 | 1.05 |
| 110 | CRMS0139-H01 | 649 | 0.20 | 0.20 | 0.12 | -0.24 | 0.59 | 0.24 | 0.22 | 0.15 | -0.22 | 0.90 |
| 111 | 073745258 | 736 | 0.20 | 0.20 | 0.13 | -0.22 | 0.77 | 0.16 | 0.13 | 0.21 | -0.62 | 1.16 |
| 115 | CRMS2608-H01 | 175 | 0.30 | 0.30 | 0.10 | 0.10 | 0.73 | 0.48 | 0.42 | 0.22 | 0.14 | 1.21 |
| 116 | CRMS0135-H01 | 1234 | 0.21 | 0.21 | 0.11 | -0.07 | 0.68 | 0.06 | 0.04 | 0.17 | -0.62 | 1.05 |
| 120 | CRMS0129-H01 | 934 | 0.23 | 0.22 | 0.14 | -0.22 | 1.05 | 0.06 | 0.02 | 0.18 | -0.28 | 1.72 |
| 134 | CRMS0115-H01 | 267 | 0.30 | 0.29 | 0.09 | 0.11 | 0.62 | 0.21 | 0.20 | 0.17 | -0.09 | 0.81 |
| 135 | CRMS0118-H01 | 869 | 0.22 | 0.21 | 0.13 | -0.17 | 1.08 | 0.21 | 0.17 | 0.18 | -0.19 | 1.73 |
| 136 | CRMS3913-H01 | 702 | 0.25 | 0.24 | 0.16 | -0.13 | 0.94 | 0.12 | 0.08 | 0.23 | -0.56 | 1.10 |
| 152 | CRMS0125-H01 | 703 | 0.24 | 0.24 | 0.12 | -0.03 | 0.85 | 0.28 | 0.24 | 0.20 | 0.02 | 1.82 |
| 155 | CRMS0136-H01 | 1201 | 0.22 | 0.22 | 0.12 | -0.07 | 0.91 | 0.06 | 0.03 | 0.22 | -0.57 | 2.09 |
| 156 | CRMS0159-H01 | 430 | 0.19 | 0.18 | 0.13 | -0.19 | 0.75 | 0.19 | 0.18 | 0.13 | -0.14 | 0.69 |
| 166 | CRMS0132-H01 | 794 | 0.23 | 0.22 | 0.12 | -0.04 | 0.85 | 0.14 | 0.11 | 0.20 | -0.41 | 1.57 |
| 186 | CRMS6299-H01 | 573 | 0.26 | 0.24 | 0.14 | -0.06 | 0.77 | 0.24 | 0.20 | 0.21 | -0.02 | 1.59 |
| 191 | CRMS0163-H01 | 921 | 0.20 | 0.20 | 0.11 | -0.07 | 0.95 | 0.18 | 0.18 | 0.12 | -0.16 | 0.82 |
| 197 | CRMS0173-H01 | 1303 | 0.15 | 0.14 | 0.12 | -0.17 | 0.87 | 0.08 | 0.07 | 0.15 | -0.30 | 1.10 |
| 198 | CRMS0272-H01 | 793 | 0.15 | 0.14 | 0.12 | -0.17 | 0.87 | 0.09 | 0.09 | 0.15 | -0.29 | 1.02 |
| 208 | CRMS3680-H01 | 702 | 0.18 | 0.18 | 0.12 | -0.11 | 0.85 | 0.15 | 0.17 | 0.16 | -0.25 | 1.21 |
| 215 | CRMS5267-H01 | 162 | 0.37 | 0.36 | 0.14 | 0.13 | 0.82 | 0.22 | 0.25 | 0.18 | -0.18 | 0.66 |
| 216 | CRMS0260-H01 | 891 | 0.18 | 0.17 | 0.11 | -0.11 | 0.85 | 0.17 | 0.18 | 0.16 | -0.36 | 1.29 |
| 223 | CRMS0287-H01 | 630 | 0.18 | 0.17 | 0.11 | -0.10 | 0.78 | 0.28 | 0.27 | 0.13 | 0.07 | 1.42 |
| 225 | CRMS0276-H01 | 601 | 0.19 | 0.18 | 0.12 | -0.10 | 0.83 | 0.27 | 0.26 | 0.16 | -0.03 | 1.45 |
| 227 | CRMS4529-H01 | 891 | 0.16 | 0.15 | 0.12 | -0.17 | 0.86 | 0.08 | 0.09 | 0.16 | -0.33 | 1.11 |
| 231 | CRMS0174-H01 | 1185 | 0.14 | 0.13 | 0.11 | -0.17 | 0.86 | 0.13 | 0.13 | 0.15 | -0.32 | 1.08 |
| 234 | CRMS0263-H01 | 758 | 0.17 | 0.16 | 0.12 | -0.14 | 0.84 | 0.16 | 0.17 | 0.17 | -0.34 | 1.35 |
| 236 | CRMS0047-H01 | 919 | 0.24 | 0.23 | 0.15 | -0.26 | 0.95 | 0.22 | 0.18 | 0.21 | -0.24 | 1.38 |
| 238 | CRMS0226-H01 | 1117 | 0.15 | 0.15 | 0.11 | -0.14 | 0.84 | 0.13 | 0.13 | 0.17 | -0.41 | 1.29 |
| 239 | CRMS0181-H01 | 803 | 0.15 | 0.14 | 0.11 | -0.17 | 0.66 | 0.09 | 0.09 | 0.12 | -0.30 | 0.49 |
| 243 | CRMS3169-H01 | 658 | 0.48 | 0.48 | 0.04 | 0.28 | 0.72 | 0.51 | 0.49 | 0.23 | -0.09 | 1.26 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 246 | CRMS4103-H01 | 641 | 0.17 | 0.16 | 0.12 | -0.11 | 0.79 | 0.25 | 0.25 | 0.18 | -0.23 | 1.58 |
| 247 | CRMS3617-H01 | 840 | 0.17 | 0.16 | 0.12 | -0.14 | 0.84 | 0.18 | 0.19 | 0.17 | -0.23 | 1.39 |
| 248 | CRMS0188-H01 | 1216 | 0.16 | 0.16 | 0.11 | -0.11 | 0.77 | 0.18 | 0.18 | 0.16 | -0.33 | 1.22 |
| 252 | CRMS0172-H01 | 961 | 0.16 | 0.15 | 0.12 | -0.17 | 0.86 | 0.16 | 0.15 | 0.12 | -0.15 | 1.15 |
| 256 | CRMS3985-H01 | 570 | 0.19 | 0.18 | 0.12 | -0.11 | 0.78 | 0.26 | 0.26 | 0.17 | -0.23 | 1.32 |
| 258 | CRMS0038-H01 | 446 | 0.27 | 0.25 | 0.17 | -0.16 | 0.83 | 0.21 | 0.20 | 0.23 | -0.34 | 0.76 |
| 259 | CRMS0251-H01 | 1243 | 0.16 | 0.15 | 0.11 | -0.12 | 0.83 | 0.15 | 0.13 | 0.14 | -0.16 | 1.48 |
| 260 | CRMS0237-H01 | 929 | 0.16 | 0.15 | 0.10 | -0.12 | 0.47 | 0.16 | 0.16 | 0.14 | -0.39 | 0.69 |
| 261 | CRMS5373-H01 | 886 | 0.26 | 0.23 | 0.15 | -0.13 | 0.93 | 0.25 | 0.24 | 0.21 | -0.30 | 1.24 |
| 264 | CRMS0261-H01 | 925 | 0.18 | 0.17 | 0.11 | -0.11 | 0.80 | 0.23 | 0.22 | 0.16 | -0.23 | 1.50 |
| 266 | CRMS0176-H01 | 1146 | 0.14 | 0.14 | 0.11 | -0.17 | 0.63 | 0.12 | 0.13 | 0.14 | -0.36 | 0.61 |
| 277 | CRMS4245-H01 | 531 | 0.20 | 0.18 | 0.10 | -0.07 | 0.53 | 0.27 | 0.26 | 0.12 | 0.03 | 0.66 |
| 278 | CRMS0232-H01 | 1207 | 0.15 | 0.15 | 0.11 | -0.14 | 0.83 | 0.13 | 0.12 | 0.15 | -0.28 | 1.33 |
| 280 | 07380251 | 713 | 0.15 | 0.14 | 0.11 | -0.16 | 0.62 | 0.19 | 0.19 | 0.14 | -0.33 | 0.62 |
| 283 | CRMS0211-H01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 285 | 292800090060000 | 782 | 0.17 | 0.16 | 0.12 | -0.12 | 0.80 | 0.14 | 0.13 | 0.17 | -0.38 | 1.30 |
| 286 | CRMS5167-H01 | 734 | 0.24 | 0.22 | 0.16 | -0.18 | 0.93 | 0.15 | 0.10 | 0.24 | -0.54 | 1.10 |
| 287 | CRMS0278-H01 | 913 | 0.18 | 0.17 | 0.11 | -0.11 | 0.77 | 0.21 | 0.20 | 0.15 | -0.11 | 1.25 |
| 296 | 07381235 | 795 | 0.18 | 0.17 | 0.12 | -0.08 | 0.75 | 0.14 | 0.12 | 0.17 | -0.31 | 1.08 |
| 297 | CRMS0268-H01 | 1267 | 0.23 | 0.21 | 0.12 | 0.01 | 0.96 | 0.24 | 0.24 | 0.16 | -0.21 | 0.91 |
| 298 | CRMS0206-H01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 306 | 07381235 | 795 | 0.22 | 0.21 | 0.12 | -0.05 | 0.78 | 0.14 | 0.12 | 0.17 | -0.31 | 1.08 |
| 307 | CRMS0178-H01 | 982 | 0.17 | 0.16 | 0.11 | -0.15 | 0.84 | 0.11 | 0.06 | 0.36 | -0.42 | 5.15 |
| 315 | 07381350 | 823 | 0.27 | 0.26 | 0.13 | -0.01 | 0.75 | 0.27 | 0.26 | 0.16 | -0.17 | 1.11 |
| 322 | CRMS0312-H01 | 1180 | 0.17 | 0.17 | 0.11 | -0.08 | 0.71 | 0.14 | 0.14 | 0.16 | -0.29 | 1.67 |
| 327 | CRMS0367-H01 | 1187 | 0.25 | 0.24 | 0.12 | -0.02 | 0.88 | 0.22 | 0.21 | 0.14 | -0.20 | 0.68 |
| 329 | CRMS0386-H01 | 1286 | 0.17 | 0.16 | 0.11 | -0.08 | 0.70 | 0.13 | 0.13 | 0.16 | -0.37 | 1.59 |
| 331 | CRMS0175-H01 | 382 | 0.16 | 0.15 | 0.13 | -0.12 | 0.55 | 0.14 | 0.12 | 0.17 | -0.30 | 0.61 |
| 334 | 07381355 | 369 | 0.32 | 0.31 | 0.12 | 0.11 | 0.75 | 0.34 | 0.34 | 0.16 | -0.04 | 1.15 |
| 335 | CRMS0397-H01 | 1076 | 0.15 | 0.15 | 0.10 | -0.11 | 0.54 | 0.06 | 0.07 | 0.14 | -0.33 | 0.54 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 339 | CRMS0331-H01 | 1185 | 0.24 | 0.23 | 0.11 | -0.02 | 0.78 | 0.24 | 0.24 | 0.14 | -0.15 | 0.64 |
| 344 | CRMS0164-H01 | 1250 | 0.15 | 0.14 | 0.10 | -0.12 | 0.59 | 0.07 | 0.06 | 0.13 | -0.27 | 1.08 |
| 345 | CRMS0310-H01 | 1042 | 0.16 | 0.15 | 0.11 | -0.11 | 1.06 | 0.09 | 0.09 | 0.15 | -0.30 | 1.26 |
| 346 | CRMS2825-H01 | 621 | 0.19 | 0.19 | 0.12 | -0.09 | 0.74 | 0.17 | 0.17 | 0.18 | -0.26 | 1.83 |
| 350 | CRMS0400-H01 | 1304 | 0.17 | 0.16 | 0.10 | 0.04 | 0.57 | 0.23 | 0.23 | 0.12 | -0.12 | 0.57 |
| 353 | CRMS0336-H01 | 1063 | 0.17 | 0.16 | 0.11 | -0.11 | 0.93 | 0.09 | 0.09 | 0.15 | -0.32 | 1.39 |
| 364 | CRMS3296-H01 | 222 | 0.25 | 0.25 | 0.09 | 0.09 | 0.51 | 0.28 | 0.25 | 0.13 | -0.05 | 0.64 |
| 365 | 07381331 | 810 | 0.27 | 0.28 | 0.12 | -0.02 | 0.81 | 0.18 | 0.20 | 0.16 | -0.23 | 1.07 |
| 371 | CRMS0318-H01 | 1066 | 0.13 | 0.13 | 0.11 | -0.19 | 0.65 | 0.12 | 0.12 | 0.14 | -0.25 | 0.57 |
| 373 | CRMS0338-H01 | 1155 | 0.15 | 0.14 | 0.12 | -0.16 | 1.04 | 0.07 | 0.07 | 0.16 | -0.36 | 1.31 |
| 381 | CRMS0315-H01 | 1062 | 0.17 | 0.16 | 0.11 | -0.10 | 0.54 | 0.20 | 0.19 | 0.14 | -0.20 | 0.70 |
| 383 | 07381343 | 811 | 0.20 | 0.20 | 0.12 | -0.05 | 0.75 | 0.23 | 0.22 | 0.17 | -0.24 | 1.68 |
| 386 | 073813375 | 809 | 0.18 | 0.18 | 0.12 | -0.09 | 0.91 | 0.23 | 0.23 | 0.19 | -0.29 | 1.92 |
| 399 | CRMS0390-H01 | 1049 | 0.17 | 0.18 | 0.11 | -0.07 | 0.49 | 0.14 | 0.14 | 0.14 | -0.24 | 0.62 |
| 419 | CRMS0292-H01 | 1330 | 0.14 | 0.13 | 0.12 | -0.20 | 1.03 | 0.03 | 0.03 | 0.13 | -0.37 | 1.11 |
| 439 | CRMS0341-H01 | 834 | 0.15 | 0.14 | 0.11 | -0.19 | 0.65 | 0.11 | 0.11 | 0.15 | -0.45 | 0.60 |
| 441 | CRMS0403-H01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 450 | 07381328 | 809 | 0.22 | 0.22 | 0.12 | -0.07 | 0.62 | 0.30 | 0.30 | 0.15 | -0.11 | 1.01 |
| 467 | 295447091191500 | 595 | 1.22 | 1.09 | 0.53 | 0.38 | 2.89 | 1.36 | 1.18 | 0.63 | 0.29 | 3.24 |
| 468 | CRMS2887-H01 | 572 | 0.47 | 0.49 | 0.18 | 0.09 | 0.88 | 0.41 | 0.45 | 0.18 | -0.02 | 1.17 |
| 472 | 073814675 | 519 | 0.53 | 0.51 | 0.22 | 0.07 | 1.11 | 0.65 | 0.58 | 0.25 | 0.14 | 1.28 |
| 480 | CRMS0382-H01 | 1285 | 0.39 | 0.38 | 0.15 | 0.13 | 0.86 | 0.21 | 0.20 | 0.13 | -0.07 | 1.32 |
| 494 | CRMS0369-H01 | 877 | 0.18 | 0.17 | 0.12 | -0.12 | 1.04 | 0.25 | 0.24 | 0.15 | -0.20 | 1.46 |
| 497 | CRMS0409-H01 | 712 | 0.39 | 0.39 | 0.15 | 0.05 | 0.87 | 0.27 | 0.29 | 0.15 | -0.13 | 1.10 |
| 508 | CRMS0434-H01 | 1144 | 0.17 | 0.17 | 0.11 | -0.11 | 1.05 | 0.16 | 0.15 | 0.16 | -0.32 | 1.71 |
| 518 | CRMS0296-H01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 520 | CRMS0411-H01 | 656 | 0.43 | 0.42 | 0.16 | 0.07 | 0.89 | 0.28 | 0.30 | 0.16 | -0.14 | 1.01 |
| 522 | 07381600 | 823 | 0.93 | 0.85 | 0.43 | 0.13 | 2.19 | 1.08 | 0.95 | 0.48 | 0.17 | 2.32 |
| 524 | CRMS2785-H01 | 1119 | 0.38 | 0.36 | 0.15 | 0.02 | 0.91 | 0.24 | 0.22 | 0.16 | -0.21 | 1.08 |
| 525 | CRMS2862-H01 | 694 | 0.47 | 0.47 | 0.18 | 0.07 | 0.96 | 0.35 | 0.38 | 0.23 | -0.40 | 1.08 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 526 | 07381567 | 788 | 1.96 | 1.76 | 0.96 | 0.43 | 4.19 | 2.28 | 2.14 | 1.00 | 0.42 | 4.35 |
| 527 | 073815450 | 767 | 1.73 | 1.63 | 0.81 | 0.34 | 3.64 | 1.92 | 1.77 | 0.93 | 0.37 | 3.93 |
| 535 | CRMS2881-H01 | 672 | 0.40 | 0.39 | 0.16 | 0.05 | 0.95 | 0.28 | 0.29 | 0.17 | -0.11 | 1.08 |
| 539 | CRMS0398-H01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 540 | CRMS0395-H01 | 1278 | 0.17 | 0.16 | 0.12 | -0.14 | 1.08 | 0.14 | 0.14 | 0.14 | -0.27 | 1.49 |
| 545 | 8764044 | 1357 | 0.69 | 0.61 | 0.35 | 0.08 | 1.90 | 0.62 | 0.51 | 0.41 | -0.23 | 4.01 |
| 550 | 073816503 | 778 | 0.56 | 0.54 | 0.22 | 0.05 | 1.14 | 0.29 | 0.26 | 0.24 | -0.26 | 1.12 |
| 551 | CRMS0345-H01 | 1109 | 0.17 | 0.16 | 0.12 | -0.15 | 1.07 | -0.04 | -0.05 | 0.16 | -0.53 | 1.43 |
| 556 | CRMS0327-H01 | 913 | 0.33 | 0.32 | 0.14 | -0.01 | 1.04 | 0.18 | 0.20 | 0.20 | -0.61 | 1.36 |
| 557 | CRMS0329-H01 | 674 | 0.33 | 0.32 | 0.15 | 0.01 | 1.08 | 0.23 | 0.24 | 0.16 | -0.23 | 1.21 |
| 560 | CRMS4045-H01 | 517 | 0.26 | 0.27 | 0.12 | -0.04 | 0.84 | 0.21 | 0.21 | 0.16 | -0.24 | 1.62 |
| 561 | CRMS0311-H01 | 1297 | 0.17 | 0.16 | 0.12 | -0.16 | 1.14 | 0.11 | 0.10 | 0.14 | -0.26 | 1.49 |
| 564 | CRMS0354-H01 | 1191 | 0.18 | 0.18 | 0.11 | -0.12 | 0.59 | 0.12 | 0.11 | 0.13 | -0.22 | 0.64 |
| 567 | CRMS0371-H01 | 1141 | 0.29 | 0.28 | 0.13 | -0.02 | 1.06 | 0.15 | 0.15 | 0.15 | -0.26 | 1.37 |
| 570 | CRMS4938-H01 | 688 | 0.76 | 0.75 | 0.30 | 0.13 | 1.55 | 0.54 | 0.51 | 0.29 | -0.20 | 1.81 |
| 575 | CRMS0374-H01 | 1162 | 0.15 | 0.14 | 0.12 | -0.18 | 1.09 | 0.09 | 0.08 | 0.12 | -0.20 | 1.53 |
| 578 | CRMS0461-H01 | 1125 | 0.62 | 0.58 | 0.27 | 0.05 | 1.46 | 0.37 | 0.33 | 0.23 | -0.19 | 1.80 |
| 583 | CRMS0332-H01 | 1136 | 0.17 | 0.16 | 0.12 | -0.20 | 1.18 | 0.12 | 0.12 | 0.16 | -0.34 | 1.60 |
| 585 | CRMS4455-H01 | 1253 | 0.16 | 0.15 | 0.12 | -0.18 | 1.16 | 0.11 | 0.09 | 0.13 | -0.19 | 1.44 |
| 587 | CRMS5992-H01 | 676 | 0.32 | 0.33 | 0.13 | -0.07 | 1.42 | 0.38 | 0.40 | 0.18 | -0.24 | 1.84 |
| 588 | CRMS0365-H01 | 595 | 0.30 | 0.29 | 0.14 | -0.02 | 0.69 | 0.24 | 0.25 | 0.15 | -0.22 | 0.65 |
| 591 | 07381670 | 624 | 0.65 | 0.66 | 0.25 | 0.08 | 1.48 | 0.41 | 0.41 | 0.27 | -0.27 | 1.89 |
| 595 | CRMS6038-H01 | 671 | 0.69 | 0.66 | 0.28 | 0.09 | 1.40 | 0.49 | 0.46 | 0.26 | -0.11 | 1.83 |
| 596 | CRMS0513-H01 | 1204 | 0.32 | 0.30 | 0.19 | -0.43 | 1.27 | 0.40 | 0.39 | 0.12 | 0.07 | 1.93 |
| 599 | CRMS0376-H01 | 1138 | 0.14 | 0.14 | 0.11 | -0.20 | 0.65 | 0.07 | 0.07 | 0.14 | -0.35 | 0.63 |
| 600 | CRMS4779-H01 | 633 | 0.71 | 0.71 | 0.25 | 0.10 | 1.38 | 0.59 | 0.58 | 0.25 | -0.02 | 1.94 |
| 601 | CRMS0399-H01 | 1033 | 0.18 | 0.18 | 0.13 | -0.21 | 1.22 | 0.16 | 0.15 | 0.12 | -0.12 | 1.34 |
| 607 | CRMS0551-H01 | 703 | 0.35 | 0.35 | 0.14 | -0.09 | 1.45 | 0.39 | 0.41 | 0.18 | -0.11 | 1.60 |
| 609 | CRMS0302-H01 | 1072 | 0.14 | 0.13 | 0.11 | -0.19 | 0.63 | 0.06 | 0.06 | 0.13 | -0.38 | 0.66 |
| 611 | CRMS0463-H01 | 1051 | 0.40 | 0.38 | 0.18 | -0.11 | 1.39 | 0.23 | 0.22 | 0.16 | -0.19 | 1.59 |
| 615 | CRMS0303-H01 | 1229 | 0.16 | 0.15 | 0.12 | -0.20 | 1.20 | 0.10 | 0.08 | 0.18 | -0.46 | 1.48 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 617 | CRMS0326-H01 | 1250 | 0.17 | 0.16 | 0.13 | -0.20 | 1.20 | 0.11 | 0.10 | 0.15 | -0.31 | 1.47 |
| 619 | CRMS0305-H01 | 1041 | 0.20 | 0.19 | 0.12 | -0.22 | 1.33 | 0.11 | 0.11 | 0.15 | -0.41 | 1.43 |
| 625 | CRMS0377-H01 | 896 | 0.16 | 0.16 | 0.13 | -0.22 | 1.21 | 0.11 | 0.10 | 0.15 | -0.34 | 1.47 |
| 628 | CRMS6304-H01 | 155 | 0.36 | 0.37 | 0.10 | 0.15 | 0.71 | 0.33 | 0.33 | 0.11 | 0.12 | 0.69 |
| 633 | CRMS0544-H01 | 1076 | 0.23 | 0.23 | 0.11 | -0.10 | 0.64 | 0.21 | 0.21 | 0.18 | -0.45 | 0.68 |
| 634 | CRMS0543-H01 | 1121 | 0.20 | 0.19 | 0.13 | -0.23 | 1.49 | 0.22 | 0.21 | 0.16 | -0.21 | 1.45 |
| 635 | CRMS0464-H01 | 1028 | 0.23 | 0.23 | 0.13 | -0.23 | 1.43 | 0.26 | 0.25 | 0.18 | -0.27 | 1.80 |
| 655 | 8764227 | 1405 | 0.19 | 0.19 | 0.13 | -0.23 | 1.39 | 0.12 | 0.11 | 0.16 | -0.38 | 1.52 |
| 647 | CRMS0322-H01 | 1092 | 0.19 | 0.18 | 0.12 | -0.23 | 1.30 | 0.12 | 0.11 | 0.14 | -0.29 | 1.37 |
| 674 | CRMS0496-H01 | 642 | 0.19 | 0.18 | 0.15 | -0.23 | 1.51 | 0.26 | 0.24 | 0.18 | -0.16 | 1.94 |
| 680 | CRMS0309-H01 | 1143 | 0.19 | 0.18 | 0.13 | -0.22 | 1.29 | 0.10 | 0.09 | 0.15 | -0.30 | 1.30 |
| 692 | CRMS0493-H01 | 705 | 0.17 | 0.17 | 0.12 | -0.23 | 0.57 | 0.18 | 0.17 | 0.17 | -0.43 | 0.86 |
| 724 | CRMS0527-H01 | 725 | 0.18 | 0.17 | 0.13 | -0.24 | 0.62 | 0.22 | 0.22 | 0.17 | -0.34 | 0.77 |
| 728 | CRMS1650-H01 | 227 | 0.25 | 0.23 | 0.11 | 0.04 | 0.61 | 0.33 | 0.32 | 0.16 | -0.03 | 0.80 |
| 735 | CRMS0522-W01 | 826 | 0.17 | 0.16 | 0.14 | -0.30 | 1.54 | 0.21 | 0.19 | 0.13 | 0.02 | 1.82 |
| 736 | CRMS0499-H01 | 753 | 0.22 | 0.22 | 0.12 | -0.11 | 0.61 | 0.24 | 0.24 | 0.14 | -0.14 | 0.66 |
| 749 | CRMS0530-W01 | 599 | 0.21 | 0.19 | 0.12 | -0.36 | 0.59 | 0.12 | 0.12 | 0.19 | -0.37 | 0.70 |
| 752 | CRMS0541-H01 | 509 | 0.17 | 0.18 | 0.14 | -0.28 | 0.60 | 0.01 | 0.01 | 0.17 | -0.52 | 0.56 |
| 759 | CRMS0618-H01 | 1185 | 0.25 | 0.23 | 0.13 | -0.08 | 1.24 | 0.28 | 0.24 | 0.14 | 0.05 | 1.68 |
| 760 | CRMS0535-H01 | 561 | 0.20 | 0.20 | 0.13 | -0.13 | 0.65 | 0.29 | 0.27 | 0.17 | -0.27 | 0.79 |
| 763 | CRMS0568-H01 | 603 | 0.26 | 0.23 | 0.15 | -0.00 | 0.61 | 0.31 | 0.26 | 0.19 | 0.02 | 1.24 |
| 764 | CRMS0508-H01 | 663 | 0.21 | 0.19 | 0.15 | -0.14 | 1.35 | 0.33 | 0.31 | 0.18 | -0.01 | 2.03 |
| 772 | CRMS0501-H01 | 681 | 0.20 | 0.19 | 0.15 | -0.22 | 1.35 | 0.32 | 0.31 | 0.19 | -0.17 | 2.19 |
| 776 | CRMS1130-H01 | 475 | 0.28 | 0.26 | 0.15 | -0.00 | 0.61 | 0.27 | 0.23 | 0.16 | -0.02 | 0.68 |
| 782 | CRMS0633-H01 | 747 | 0.21 | 0.20 | 0.14 | -0.22 | 1.35 | 0.14 | 0.12 | 0.16 | -0.21 | 1.76 |
| 785 | CRMS1100-H01 | 673 | 0.25 | 0.23 | 0.14 | -0.02 | 0.61 | 0.37 | 0.35 | 0.17 | 0.07 | 1.21 |
| 786 | CRMS0632-H01 | 408 | 0.31 | 0.29 | 0.13 | 0.07 | 0.58 | 0.18 | 0.20 | 0.14 | -0.10 | 0.63 |
| 789 | CRMS0574-H01 | 904 | 0.27 | 0.24 | 0.15 | -0.06 | 0.68 | 0.21 | 0.17 | 0.17 | -0.08 | 1.13 |
| 796 | CRMS0590-H01 | 1206 | 0.26 | 0.23 | 0.14 | -0.07 | 0.84 | 0.30 | 0.25 | 0.16 | 0.01 | 1.19 |
| 799 | CRMS0576-H01 | 689 | 0.29 | 0.26 | 0.14 | 0.07 | 1.39 | 0.33 | 0.29 | 0.17 | 0.04 | 1.87 |
| 808 | CRMS0604-H01 | 902 | 0.27 | 0.25 | 0.16 | -0.06 | 1.34 | 0.27 | 0.23 | 0.18 | -0.05 | 1.41 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 812 | CRMS0605-H01 | 1173 | 0.27 | 0.24 | 0.15 | -0.07 | 0.95 | 0.29 | 0.26 | 0.16 | 0.06 | 1.40 |
| 814 | CRMS0609-H01 | 724 | 0.26 | 0.23 | 0.16 | -0.04 | 1.59 | 0.36 | 0.34 | 0.15 | 0.13 | 1.60 |
| 815 | 8767961 | 295 | 0.23 | 0.23 | 0.14 | -0.18 | 0.66 | 0.14 | 0.14 | 0.15 | -0.50 | 0.58 |
| 817 | CRMS0584-H01 | 1118 | 0.26 | 0.24 | 0.15 | -0.07 | 1.28 | 0.21 | 0.18 | 0.16 | -0.15 | 1.72 |
| 826 | CRMS0553-H01 | 977 | 0.26 | 0.25 | 0.15 | -0.11 | 0.97 | 0.32 | 0.30 | 0.18 | -0.03 | 1.70 |
| 827 | CRMS2493-H01 | 427 | 0.25 | 0.20 | 0.18 | -0.07 | 0.61 | 0.19 | 0.16 | 0.17 | -0.10 | 0.56 |
| 831 | CRMS0614-H01 | 806 | 0.27 | 0.24 | 0.15 | -0.00 | 1.89 | 0.18 | 0.14 | 0.15 | -0.03 | 1.92 |
| 852 | CRMS0687-H01 | 648 | 0.15 | 0.15 | 0.16 | -0.32 | 0.65 | 0.30 | 0.29 | 0.16 | -0.26 | 0.74 |
| 856 | CRMS2418-H01 | 693 | 0.24 | 0.22 | 0.16 | -0.16 | 1.02 | 0.11 | 0.09 | 0.15 | -0.15 | 1.44 |
| 863 | CRMS0685-H01 | 1145 | 0.20 | 0.19 | 0.15 | -0.15 | 1.52 | 0.28 | 0.26 | 0.16 | -0.09 | 1.91 |
| 868 | CRMS0697-H01 | 610 | 0.21 | 0.21 | 0.21 | -0.37 | 1.62 | 0.32 | 0.30 | 0.18 | 0.04 | 1.77 |
| 869 | CRMS0658-H01 | 648 | 0.23 | 0.23 | 0.17 | -0.11 | 1.31 | 0.31 | 0.29 | 0.19 | -0.11 | 2.11 |
| 874 | 08017118 | 679 | 0.16 | 0.16 | 0.18 | -0.33 | 1.67 | 0.38 | 0.35 | 0.22 | -0.26 | 2.53 |
| 880 | 8768094 | 1405 | 0.15 | 0.14 | 0.16 | -0.35 | 1.77 | 0.01 | 0.00 | 0.19 | -0.69 | 2.22 |
| 893 | CRMS0655-H01 | 653 | 0.21 | 0.20 | 0.14 | -0.15 | 0.62 | 0.31 | 0.29 | 0.13 | 0.03 | 0.77 |
| 896 | CRMS0641-H01 | 1303 | 0.22 | 0.21 | 0.14 | -0.10 | 1.31 | 0.34 | 0.31 | 0.16 | 0.04 | 1.78 |
| 898 | CRMS0694-H01 | 1046 | 0.24 | 0.21 | 0.15 | -0.05 | 1.31 | 0.39 | 0.39 | 0.14 | 0.19 | 1.26 |
| 899 | CRMS0663-H01 | 123 | 0.38 | 0.37 | 0.12 | 0.17 | 0.82 | 0.45 | 0.44 | 0.10 | 0.26 | 0.75 |
| 906 | CRMS0683-H01 | 713 | 0.24 | 0.23 | 0.14 | -0.11 | 0.82 | 0.34 | 0.33 | 0.12 | 0.11 | 0.69 |
| 907 | CRMS0661-H01 | 570 | 0.20 | 0.19 | 0.14 | -0.06 | 0.67 | 0.28 | 0.26 | 0.13 | 0.01 | 0.65 |
| 916 | CRMS0684-H01 | 310 | 0.20 | 0.19 | 0.18 | -0.25 | 0.83 | 0.37 | 0.35 | 0.19 | 0.07 | 1.47 |
| 926 | 8770570 | 1457 | 0.16 | 0.15 | 0.18 | -0.43 | 2.22 | 0.24 | 0.23 | 0.19 | -0.48 | 2.92 |

**Table 4: Model Performance for Mean Daily Stage (NAVD88 meters) for Validation Period 2006-2009.**

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | CRMS1069-H01 | 779 | 0.10 | 0.04 | 0.06 | 0.05 | 0.04 | 0.04 | 0.03 | 0.04 |
| 22 | CRMS0003-H01 | 792 | 0.11 | 0.07 | 0.08 | 0.07 | 0.06 | 0.07 | 0.06 | 0.06 |
| 23 | CRMS6090-H01 | 832 | 0.30 | 0.20 | 0.24 | 0.20 | 0.18 | 0.19 | 0.17 | 0.19 |
| 25 | CRMS0035-H01 | 837 | 0.18 | 0.12 | 0.14 | 0.12 | 0.11 | 0.12 | 0.10 | 0.12 |
| 28 | CRMS1024-H01 | 646 | 0.22 | 0.19 | 0.19 | 0.19 | 0.13 | 0.18 | 0.13 | 0.18 |
| 30 | CRMS4406-H01 | 762 | 0.17 | 0.14 | 0.16 | 0.14 | 0.11 | 0.14 | 0.12 | 0.13 |
| 32 | CRMS0108-H01 | 646 | 0.18 | 0.14 | 0.15 | 0.14 | 0.11 | 0.13 | 0.11 | 0.13 |
| 35 | CRMS3784-H01 | 705 | 0.17 | 0.15 | 0.16 | 0.15 | 0.11 | 0.15 | 0.10 | 0.15 |
| 36 | CRMS0006-H01 | 588 | 0.12 | 0.06 | 0.08 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 |
| 37 | CRMS0002-H01 | 807 | 0.13 | 0.09 | 0.11 | 0.09 | 0.08 | 0.09 | 0.07 | 0.08 |
| 42 | CRMS4557-H01 | 709 | 0.17 | 0.11 | 0.13 | 0.11 | 0.09 | 0.11 | 0.08 | 0.11 |
| 46 | CRMS3650-H01 | 789 | 0.19 | 0.14 | 0.16 | 0.14 | 0.12 | 0.14 | 0.11 | 0.13 |
| 48 | CRMS4094-H01 | 449 | 0.13 | 0.03 | 0.08 | 0.03 | 0.04 | 0.03 | 0.02 | 0.01 |
| 53 | CRMS4551-H01 | 682 | 0.15 | 0.09 | 0.11 | 0.08 | 0.07 | 0.08 | 0.06 | 0.09 |
| 56 | CRMS0103-H01 | 800 | 0.15 | 0.04 | 0.10 | 0.04 | 0.07 | 0.04 | 0.04 | 0.03 |
| 62 | CRMS0161-H01 | 865 | 0.08 | 0.03 | 0.06 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| 63 | 8761927 | 1439 | 0.19 | 0.15 | 0.17 | 0.15 | 0.17 | 0.15 | 0.16 | 0.15 |
| 66 | CRMS3641-H01 | 784 | 0.10 | -0.00 | 0.06 | -0.00 | 0.04 | -0.01 | 0.03 | -0.02 |
| 67 | 07374526 | 751 | 0.16 | 0.08 | 0.12 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 |
| 71 | 073745257 | 796 | 0.20 | 0.14 | 0.15 | 0.14 | 0.12 | 0.14 | 0.11 | 0.13 |
| 72 | CRMS4355-H01 | 345 | 0.17 | 0.14 | 0.16 | 0.14 | 0.07 | 0.14 | 0.07 | 0.14 |
| 76 | CRMS2627-H01 | 512 | 0.18 | 0.08 | 0.17 | 0.08 | 0.11 | 0.08 | 0.06 | 0.07 |
| 77 | CRMS2614-H01 | 880 | 0.12 | -0.08 | 0.10 | -0.08 | 0.08 | -0.08 | 0.07 | -0.08 |
| 80 | CRMS0030-H01 | 950 | 0.13 | 0.05 | 0.09 | 0.05 | 0.07 | 0.05 | 0.05 | 0.05 |
| 82 | 07374527 | 455 | 0.27 | -0.15 | 0.22 | -0.15 | 0.12 | -0.15 | 0.17 | -0.13 |
| 83 | 295124089542100 | 785 | 0.27 | -0.13 | 0.25 | -0.12 | 0.17 | -0.12 | 0.16 | -0.17 |
| 90 | CRMS0153-H01 | 734 | 0.08 | -0.05 | 0.07 | -0.06 | 0.05 | -0.06 | 0.05 | -0.06 |
| 92 | CRMS4448-H01 | 673 | 0.17 | 0.01 | 0.16 | 0.01 | 0.11 | 0.01 | 0.04 | 0.01 |
| 97 | CRMS0046-H01 | 835 | 0.17 | 0.09 | 0.13 | 0.09 | 0.09 | 0.09 | 0.08 | 0.09 |
| 103 | CRMS0117-W01 | 775 | 0.16 | -0.01 | 0.14 | -0.00 | 0.10 | -0.01 | 0.06 | -0.02 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 105 | CRMS0156-H01 | 919 | 0.09 | 0.01 | 0.08 | 0.01 | 0.06 | 0.01 | 0.02 | 0.01 |
| 107 | CRMS0121-H01 | 551 | 0.17 | 0.12 | 0.14 | 0.12 | 0.09 | 0.10 | 0.10 | 0.11 |
| 110 | CRMS0139-H01 | 649 | 0.12 | -0.03 | 0.10 | -0.03 | 0.06 | -0.03 | 0.05 | -0.03 |
| 111 | 073745258 | 736 | 0.17 | 0.04 | 0.11 | 0.04 | 0.08 | 0.03 | 0.04 | 0.03 |
| 115 | CRMS2608-H01 | 175 | 0.24 | -0.18 | 0.23 | -0.18 | 0.08 | -0.18 | 0.09 | -0.18 |
| 116 | CRMS0135-H01 | 1234 | 0.19 | 0.15 | 0.17 | 0.15 | 0.16 | 0.14 | 0.15 | 0.15 |
| 120 | CRMS0129-H01 | 934 | 0.22 | 0.17 | 0.19 | 0.17 | 0.16 | 0.17 | 0.15 | 0.17 |
| 134 | CRMS0115-H01 | 267 | 0.14 | 0.09 | 0.12 | 0.09 | 0.05 | 0.09 | 0.04 | 0.09 |
| 135 | CRMS0118-H01 | 869 | 0.12 | 0.01 | 0.08 | 0.01 | 0.05 | 0.00 | 0.01 | 0.01 |
| 136 | CRMS3913-H01 | 702 | 0.19 | 0.14 | 0.16 | 0.14 | 0.11 | 0.14 | 0.10 | 0.14 |
| 152 | CRMS0125-H01 | 703 | 0.14 | -0.03 | 0.11 | -0.03 | 0.08 | -0.04 | 0.04 | -0.03 |
| 155 | CRMS0136-H01 | 1201 | 0.24 | 0.17 | 0.20 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 |
| 156 | CRMS0159-H01 | 430 | 0.03 | -0.01 | 0.02 | -0.01 | 0.01 | -0.01 | 0.01 | -0.01 |
| 166 | CRMS0132-H01 | 794 | 0.16 | 0.09 | 0.12 | 0.09 | 0.09 | 0.08 | 0.07 | 0.08 |
| 186 | CRMS6299-H01 | 573 | 0.13 | 0.02 | 0.09 | 0.03 | 0.06 | 0.04 | 0.02 | 0.02 |
| 191 | CRMS0163-H01 | 921 | 0.06 | 0.02 | 0.05 | 0.02 | 0.04 | 0.02 | 0.02 | 0.02 |
| 197 | CRMS0173-H01 | 1303 | 0.10 | 0.07 | 0.08 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 198 | CRMS0272-H01 | 793 | 0.10 | 0.06 | 0.08 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 |
| 208 | CRMS3680-H01 | 702 | 0.09 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 |
| 215 | CRMS5267-H01 | 162 | 0.18 | 0.14 | 0.16 | 0.15 | 0.06 | 0.16 | 0.07 | 0.14 |
| 216 | CRMS0260-H01 | 891 | 0.09 | 0.01 | 0.05 | 0.01 | 0.03 | 0.01 | 0.01 | 0.01 |
| 223 | CRMS0287-H01 | 630 | 0.13 | -0.10 | 0.12 | -0.10 | 0.08 | -0.10 | 0.07 | -0.10 |
| 225 | CRMS0276-H01 | 601 | 0.12 | -0.08 | 0.10 | -0.08 | 0.07 | -0.09 | 0.06 | -0.08 |
| 227 | CRMS4529-H01 | 891 | 0.11 | 0.08 | 0.09 | 0.08 | 0.07 | 0.08 | 0.07 | 0.08 |
| 231 | CRMS0174-H01 | 1185 | 0.07 | 0.01 | 0.05 | 0.01 | 0.04 | 0.01 | 0.02 | 0.01 |
| 234 | CRMS0263-H01 | 758 | 0.10 | 0.01 | 0.06 | 0.01 | 0.04 | 0.01 | 0.02 | 0.02 |
| 236 | CRMS0047-H01 | 919 | 0.13 | 0.03 | 0.09 | 0.03 | 0.07 | 0.03 | 0.03 | 0.03 |
| 238 | CRMS0226-H01 | 1117 | 0.10 | 0.03 | 0.06 | 0.03 | 0.07 | 0.03 | 0.03 | 0.03 |
| 239 | CRMS0181-H01 | 803 | 0.08 | 0.06 | 0.07 | 0.06 | 0.05 | 0.06 | 0.05 | 0.06 |
| 243 | CRMS3169-H01 | 658 | 0.23 | -0.03 | 0.20 | -0.04 | 0.11 | -0.03 | 0.03 | -0.03 |
| 246 | CRMS4103-H01 | 641 | 0.14 | -0.08 | 0.11 | -0.08 | 0.07 | -0.08 | 0.06 | -0.09 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 247 | CRMS3617-H01 | 840 | 0.09 | -0.01 | 0.06 | -0.01 | 0.04 | -0.01 | 0.02 | -0.00 |
| 248 | CRMS0188-H01 | 1216 | 0.10 | -0.02 | 0.07 | -0.02 | 0.05 | -0.02 | 0.02 | -0.01 |
| 252 | CRMS0172-H01 | 961 | 0.05 | -0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | -0.00 |
| 256 | CRMS3985-H01 | 570 | 0.12 | -0.07 | 0.10 | -0.07 | 0.05 | -0.07 | 0.05 | -0.07 |
| 258 | CRMS0038-H01 | 446 | 0.14 | 0.05 | 0.11 | 0.05 | 0.05 | 0.05 | 0.03 | 0.04 |
| 259 | CRMS0251-H01 | 1243 | 0.08 | 0.01 | 0.05 | 0.00 | 0.04 | 0.01 | 0.01 | 0.01 |
| 260 | CRMS0237-H01 | 929 | 0.09 | -0.00 | 0.06 | 0.00 | 0.05 | -0.00 | 0.02 | -0.00 |
| 261 | CRMS5373-H01 | 886 | 0.14 | 0.01 | 0.11 | 0.01 | 0.07 | 0.01 | 0.03 | 0.00 |
| 264 | CRMS0261-H01 | 925 | 0.10 | -0.05 | 0.07 | -0.05 | 0.05 | -0.05 | 0.04 | -0.05 |
| 266 | CRMS0176-H01 | 1146 | 0.08 | 0.02 | 0.06 | 0.02 | 0.04 | 0.02 | 0.03 | 0.02 |
| 277 | CRMS4245-H01 | 531 | 0.11 | -0.07 | 0.09 | -0.07 | 0.05 | -0.07 | 0.05 | -0.07 |
| 278 | CRMS0232-H01 | 1207 | 0.09 | 0.02 | 0.06 | 0.02 | 0.05 | 0.02 | 0.03 | 0.02 |
| 280 | 07380251 | 713 | 0.11 | -0.04 | 0.07 | -0.05 | 0.06 | -0.04 | 0.04 | -0.04 |
| 283 | CRMS0211-H01 | 0 | - | - | - | - | - | - | - | - |
| 285 | 292800090060000 | 782 | 0.09 | 0.03 | 0.06 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| 286 | CRMS5167-H01 | 734 | 0.17 | 0.09 | 0.14 | 0.09 | 0.10 | 0.09 | 0.08 | 0.08 |
| 287 | CRMS0278-H01 | 913 | 0.09 | -0.03 | 0.07 | -0.03 | 0.05 | -0.03 | 0.03 | -0.03 |
| 296 | 07381235 | 795 | 0.11 | 0.04 | 0.09 | 0.04 | 0.06 | 0.04 | 0.06 | 0.06 |
| 297 | CRMS0268-H01 | 1267 | 0.11 | -0.01 | 0.09 | -0.01 | 0.07 | -0.01 | 0.03 | -0.01 |
| 298 | CRMS0206-H01 | 0 | - | - | - | - | - | - | - | - |
| 306 | 07381235 | 795 | 0.13 | 0.08 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 |
| 307 | CRMS0178-H01 | 982 | 0.32 | 0.06 | 0.25 | 0.06 | 0.17 | 0.06 | 0.06 | 0.06 |
| 315 | 07381350 | 823 | 0.09 | 0.00 | 0.06 | 0.00 | 0.04 | 0.00 | 0.02 | 0.01 |
| 322 | CRMS0312-H01 | 1180 | 0.11 | 0.03 | 0.08 | 0.02 | 0.06 | 0.03 | 0.03 | 0.03 |
| 327 | CRMS0367-H01 | 1187 | 0.10 | 0.03 | 0.07 | 0.03 | 0.06 | 0.03 | 0.04 | 0.04 |
| 329 | CRMS0386-H01 | 1286 | 0.12 | 0.04 | 0.09 | 0.04 | 0.07 | 0.04 | 0.04 | 0.04 |
| 331 | CRMS0175-H01 | 382 | 0.10 | 0.02 | 0.06 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 |
| 334 | 07381355 | 369 | 0.09 | -0.02 | 0.07 | -0.02 | 0.03 | -0.01 | 0.02 | -0.01 |
| 335 | CRMS0397-H01 | 1076 | 0.13 | 0.09 | 0.11 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 |
| 339 | CRMS0331-H01 | 1185 | 0.09 | -0.00 | 0.06 | -0.00 | 0.05 | -0.00 | 0.01 | -0.00 |
| 344 | CRMS0164-H01 | 1250 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 345 | CRMS0310-H01 | 1042 | 0.11 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 |
| 346 | CRMS2825-H01 | 621 | 0.12 | 0.02 | 0.09 | 0.02 | 0.05 | 0.02 | 0.02 | 0.02 |
| 350 | CRMS0400-H01 | 1304 | 0.09 | -0.06 | 0.08 | -0.06 | 0.07 | -0.06 | 0.06 | -0.06 |
| 353 | CRMS0336-H01 | 1063 | 0.12 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 |
| 364 | CRMS3296-H01 | 222 | 0.09 | -0.02 | 0.06 | -0.03 | 0.02 | -0.02 | 0.01 | -0.02 |
| 365 | 07381331 | 810 | 0.12 | 0.09 | 0.11 | 0.09 | 0.08 | 0.09 | 0.09 | 0.10 |
| 371 | CRMS0318-H01 | 1066 | 0.12 | 0.01 | 0.10 | 0.01 | 0.10 | 0.02 | 0.05 | 0.02 |
| 373 | CRMS0338-H01 | 1155 | 0.11 | 0.07 | 0.09 | 0.07 | 0.08 | 0.07 | 0.08 | 0.08 |
| 381 | CRMS0315-H01 | 1062 | 0.11 | -0.03 | 0.07 | -0.02 | 0.05 | -0.02 | 0.03 | -0.02 |
| 383 | 07381343 | 811 | 0.12 | -0.02 | 0.08 | -0.03 | 0.04 | -0.03 | 0.02 | -0.02 |
| 386 | 073813375 | 809 | 0.14 | -0.05 | 0.09 | -0.05 | 0.06 | -0.05 | 0.04 | -0.03 |
| 399 | CRMS0390-H01 | 1049 | 0.10 | 0.04 | 0.08 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 419 | CRMS0292-H01 | 1330 | 0.13 | 0.11 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 439 | CRMS0341-H01 | 834 | 0.09 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 441 | CRMS0403-H01 | 0 | - | - | - | - | - | - | - | - |
| 450 | 07381328 | 809 | 0.11 | -0.08 | 0.10 | -0.08 | 0.07 | -0.08 | 0.06 | -0.07 |
| 467 | 295447091191500 | 595 | 0.20 | -0.15 | 0.19 | -0.14 | 0.12 | -0.15 | 0.11 | -0.11 |
| 468 | CRMS2887-H01 | 572 | 0.09 | 0.07 | 0.08 | 0.07 | 0.05 | 0.07 | 0.05 | 0.07 |
| 472 | 073814675 | 519 | 0.15 | -0.12 | 0.14 | -0.11 | 0.08 | -0.11 | 0.08 | -0.09 |
| 480 | CRMS0382-H01 | 1285 | 0.21 | 0.19 | 0.21 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 |
| 494 | CRMS0369-H01 | 877 | 0.11 | -0.07 | 0.09 | -0.07 | 0.07 | -0.07 | 0.06 | -0.07 |
| 497 | CRMS0409-H01 | 712 | 0.13 | 0.12 | 0.13 | 0.12 | 0.09 | 0.12 | 0.08 | 0.12 |
| 508 | CRMS0434-H01 | 1144 | 0.12 | 0.01 | 0.12 | 0.00 | 0.12 | 0.00 | 0.02 | 0.01 |
| 518 | CRMS0296-H01 | 0 | - | - | - | - | - | - | - | - |
| 520 | CRMS0411-H01 | 656 | 0.16 | 0.15 | 0.16 | 0.15 | 0.11 | 0.15 | 0.11 | 0.15 |
| 522 | 07381600 | 823 | 0.18 | -0.15 | 0.18 | -0.15 | 0.13 | -0.15 | 0.12 | -0.14 |
| 524 | CRMS2785-H01 | 1119 | 0.15 | 0.14 | 0.15 | 0.14 | 0.13 | 0.14 | 0.15 | 0.15 |
| 525 | CRMS2862-H01 | 694 | 0.16 | 0.12 | 0.16 | 0.12 | 0.11 | 0.12 | 0.09 | 0.12 |
| 526 | 07381567 | 788 | 0.36 | -0.33 | 0.35 | -0.32 | 0.26 | -0.32 | 0.26 | -0.27 |
| 527 | 073815450 | 767 | 0.24 | -0.19 | 0.23 | -0.19 | 0.18 | -0.19 | 0.15 | -0.16 |
| 535 | CRMS2881-H01 | 672 | 0.13 | 0.12 | 0.13 | 0.12 | 0.09 | 0.12 | 0.08 | 0.12 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 539 | CRMS0398-H01 | 0 | - | - | - | - | - | - | - | - |
| 540 | CRMS0395-H01 | 1278 | 0.07 | 0.03 | 0.06 | 0.03 | 0.05 | 0.03 | 0.03 | 0.03 |
| 545 | 8764044 | 1357 | 0.18 | 0.07 | 0.37 | 0.04 | 0.51 | -0.00 | 0.08 | 0.07 |
| 550 | 073816503 | 778 | 0.27 | 0.27 | 0.27 | 0.27 | 0.20 | 0.26 | 0.24 | 0.27 |
| 551 | CRMS0345-H01 | 1109 | 0.23 | 0.21 | 0.22 | 0.21 | 0.19 | 0.21 | 0.22 | 0.22 |
| 556 | CRMS0327-H01 | 913 | 0.20 | 0.15 | 0.19 | 0.15 | 0.15 | 0.15 | 0.13 | 0.14 |
| 557 | CRMS0329-H01 | 674 | 0.12 | 0.10 | 0.12 | 0.11 | 0.08 | 0.11 | 0.07 | 0.10 |
| 560 | CRMS4045-H01 | 517 | 0.10 | 0.05 | 0.07 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 |
| 561 | CRMS0311-H01 | 1297 | 0.09 | 0.06 | 0.07 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 564 | CRMS0354-H01 | 1191 | 0.10 | 0.07 | 0.08 | 0.07 | 0.07 | 0.06 | 0.07 | 0.06 |
| 567 | CRMS0371-H01 | 1141 | 0.16 | 0.14 | 0.15 | 0.14 | 0.13 | 0.14 | 0.15 | 0.15 |
| 570 | CRMS4938-H01 | 688 | 0.24 | 0.22 | 0.23 | 0.22 | 0.16 | 0.22 | 0.16 | 0.22 |
| 575 | CRMS0374-H01 | 1162 | 0.09 | 0.05 | 0.07 | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 |
| 578 | CRMS0461-H01 | 1125 | 0.28 | 0.25 | 0.27 | 0.25 | 0.24 | 0.25 | 0.26 | 0.26 |
| 583 | CRMS0332-H01 | 1136 | 0.10 | 0.05 | 0.08 | 0.05 | 0.07 | 0.05 | 0.06 | 0.05 |
| 585 | CRMS4455-H01 | 1253 | 0.08 | 0.05 | 0.07 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 |
| 587 | CRMS5992-H01 | 676 | 0.11 | -0.06 | 0.08 | -0.06 | 0.05 | -0.06 | 0.04 | -0.06 |
| 588 | CRMS0365-H01 | 595 | 0.09 | 0.06 | 0.08 | 0.06 | 0.05 | 0.06 | 0.04 | 0.06 |
| 591 | 07381670 | 624 | 0.25 | 0.24 | 0.24 | 0.24 | 0.17 | 0.24 | 0.21 | 0.24 |
| 595 | CRMS6038-H01 | 671 | 0.21 | 0.20 | 0.20 | 0.20 | 0.14 | 0.20 | 0.14 | 0.20 |
| 596 | CRMS0513-H01 | 1204 | 0.16 | -0.07 | 0.12 | -0.08 | 0.10 | -0.07 | 0.08 | -0.08 |
| 599 | CRMS0376-H01 | 1138 | 0.09 | 0.07 | 0.08 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 600 | CRMS4779-H01 | 633 | 0.15 | 0.13 | 0.14 | 0.13 | 0.10 | 0.13 | 0.09 | 0.13 |
| 601 | CRMS0399-H01 | 1033 | 0.08 | 0.02 | 0.05 | 0.02 | 0.04 | 0.02 | 0.02 | 0.02 |
| 607 | CRMS0551-H01 | 703 | 0.09 | -0.04 | 0.08 | -0.04 | 0.05 | -0.04 | 0.04 | -0.05 |
| 609 | CRMS0302-H01 | 1072 | 0.11 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.08 | 0.07 |
| 611 | CRMS0463-H01 | 1051 | 0.21 | 0.17 | 0.20 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 |
| 615 | CRMS0303-H01 | 1229 | 0.14 | 0.07 | 0.11 | 0.07 | 0.10 | 0.07 | 0.08 | 0.07 |
| 617 | CRMS0326-H01 | 1250 | 0.10 | 0.06 | 0.08 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 619 | CRMS0305-H01 | 1041 | 0.12 | 0.09 | 0.11 | 0.08 | 0.09 | 0.08 | 0.10 | 0.09 |
| 625 | CRMS0377-H01 | 896 | 0.10 | 0.05 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 628 | CRMS6304-H01 | 155 | 0.06 | 0.03 | 0.04 | 0.03 | 0.01 | 0.02 | 0.02 | 0.03 |
| 633 | CRMS0544-H01 | 1076 | 0.12 | 0.02 | 0.07 | 0.02 | 0.06 | 0.02 | 0.06 | 0.04 |
| 634 | CRMS0543-H01 | 1121 | 0.09 | -0.02 | 0.06 | -0.02 | 0.05 | -0.02 | 0.04 | -0.02 |
| 635 | CRMS0464-H01 | 1028 | 0.11 | -0.03 | 0.10 | -0.03 | 0.09 | -0.03 | 0.05 | -0.01 |
| 655 | 8764227 | 1405 | 0.11 | 0.08 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 647 | CRMS0322-H01 | 1092 | 0.10 | 0.07 | 0.09 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 674 | CRMS0496-H01 | 642 | 0.11 | -0.07 | 0.08 | -0.06 | 0.05 | -0.07 | 0.05 | -0.07 |
| 680 | CRMS0309-H01 | 1143 | 0.13 | 0.09 | 0.11 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 |
| 692 | CRMS0493-H01 | 705 | 0.11 | -0.01 | 0.07 | -0.01 | 0.04 | -0.01 | 0.04 | 0.01 |
| 724 | CRMS0527-H01 | 725 | 0.13 | -0.04 | 0.08 | -0.04 | 0.06 | -0.05 | 0.04 | -0.04 |
| 728 | CRMS1650-H01 | 227 | 0.14 | -0.09 | 0.10 | -0.09 | 0.04 | -0.09 | 0.04 | -0.09 |
| 735 | CRMS0522-W01 | 826 | 0.10 | -0.05 | 0.07 | -0.05 | 0.05 | -0.04 | 0.04 | -0.04 |
| 736 | CRMS0499-H01 | 753 | 0.06 | -0.02 | 0.04 | -0.02 | 0.02 | -0.02 | 0.02 | -0.02 |
| 749 | CRMS0530-W01 | 599 | 0.22 | 0.09 | 0.21 | 0.08 | 0.13 | 0.08 | 0.13 | 0.09 |
| 752 | CRMS0541-H01 | 509 | 0.19 | 0.17 | 0.17 | 0.17 | 0.11 | 0.17 | 0.12 | 0.17 |
| 759 | CRMS0618-H01 | 1185 | 0.11 | -0.03 | 0.09 | -0.03 | 0.10 | -0.04 | 0.04 | -0.02 |
| 760 | CRMS0535-H01 | 561 | 0.13 | -0.08 | 0.10 | -0.09 | 0.06 | -0.08 | 0.06 | -0.08 |
| 763 | CRMS0568-H01 | 603 | 0.10 | -0.04 | 0.09 | -0.04 | 0.05 | -0.04 | 0.03 | -0.04 |
| 764 | CRMS0508-H01 | 663 | 0.16 | -0.12 | 0.14 | -0.12 | 0.10 | -0.12 | 0.09 | -0.12 |
| 772 | CRMS0501-H01 | 681 | 0.15 | -0.12 | 0.13 | -0.12 | 0.09 | -0.12 | 0.08 | -0.12 |
| 776 | CRMS1130-H01 | 475 | 0.06 | 0.01 | 0.06 | 0.00 | 0.03 | 0.01 | 0.01 | 0.01 |
| 782 | CRMS0633-H01 | 747 | 0.12 | 0.08 | 0.11 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 |
| 785 | CRMS1100-H01 | 673 | 0.15 | -0.13 | 0.15 | -0.13 | 0.11 | -0.13 | 0.09 | -0.13 |
| 786 | CRMS0632-H01 | 408 | 0.16 | 0.13 | 0.15 | 0.13 | 0.09 | 0.13 | 0.10 | 0.11 |
| 789 | CRMS0574-H01 | 904 | 0.10 | 0.06 | 0.09 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 796 | CRMS0590-H01 | 1206 | 0.09 | -0.04 | 0.08 | -0.04 | 0.07 | -0.04 | 0.05 | -0.03 |
| 799 | CRMS0576-H01 | 689 | 0.09 | -0.04 | 0.07 | -0.04 | 0.04 | -0.04 | 0.03 | -0.04 |
| 808 | CRMS0604-H01 | 902 | 0.08 | -0.00 | 0.07 | -0.00 | 0.05 | -0.00 | 0.02 | 0.00 |
| 812 | CRMS0605-H01 | 1173 | 0.09 | -0.01 | 0.09 | -0.01 | 0.08 | -0.01 | 0.03 | -0.01 |
| 814 | CRMS0609-H01 | 724 | 0.13 | -0.10 | 0.12 | -0.10 | 0.08 | -0.10 | 0.08 | -0.09 |
| 815 | 8767961 | 295 | 0.14 | 0.09 | 0.10 | 0.09 | 0.05 | 0.09 | 0.04 | 0.09 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 817 | CRMS0584-H01 | 1118 | 0.10 | 0.06 | 0.08 | 0.06 | 0.07 | 0.06 | 0.07 | 0.07 |
| 826 | CRMS0553-H01 | 977 | 0.13 | -0.05 | 0.12 | -0.06 | 0.09 | -0.06 | 0.05 | -0.05 |
| 827 | CRMS2493-H01 | 427 | 0.09 | 0.06 | 0.08 | 0.05 | 0.04 | 0.05 | 0.03 | 0.03 |
| 831 | CRMS0614-H01 | 806 | 0.13 | 0.09 | 0.13 | 0.09 | 0.10 | 0.09 | 0.11 | 0.11 |
| 852 | CRMS0687-H01 | 648 | 0.18 | -0.15 | 0.16 | -0.15 | 0.11 | -0.14 | 0.13 | -0.15 |
| 856 | CRMS2418-H01 | 693 | 0.16 | 0.14 | 0.15 | 0.13 | 0.10 | 0.13 | 0.11 | 0.13 |
| 863 | CRMS0685-H01 | 1145 | 0.12 | -0.08 | 0.09 | -0.08 | 0.09 | -0.08 | 0.08 | -0.08 |
| 868 | CRMS0697-H01 | 610 | 0.13 | -0.10 | 0.12 | -0.11 | 0.08 | -0.11 | 0.07 | -0.10 |
| 869 | CRMS0658-H01 | 648 | 0.14 | -0.07 | 0.10 | -0.07 | 0.06 | -0.07 | 0.05 | -0.07 |
| 874 | 08017118 | 679 | 0.26 | -0.22 | 0.24 | -0.21 | 0.18 | -0.21 | 0.18 | -0.21 |
| 880 | 8768094 | 1405 | 0.18 | 0.14 | 0.15 | 0.14 | 0.15 | 0.15 | 0.14 | 0.14 |
| 893 | CRMS0655-H01 | 653 | 0.12 | -0.10 | 0.12 | -0.10 | 0.09 | -0.10 | 0.09 | -0.10 |
| 896 | CRMS0641-H01 | 1303 | 0.20 | -0.12 | 0.19 | -0.12 | 0.17 | -0.12 | 0.13 | -0.12 |
| 898 | CRMS0694-H01 | 1046 | 0.21 | -0.16 | 0.20 | -0.16 | 0.18 | -0.16 | 0.16 | -0.16 |
| 899 | CRMS0663-H01 | 123 | 0.09 | -0.06 | 0.09 | -0.07 | 0.03 | -0.07 | 0.03 | -0.06 |
| 906 | CRMS0683-H01 | 713 | 0.12 | -0.10 | 0.13 | -0.11 | 0.10 | -0.10 | 0.09 | -0.10 |
| 907 | CRMS0661-H01 | 570 | 0.12 | -0.09 | 0.12 | -0.09 | 0.08 | -0.09 | 0.07 | -0.07 |
| 916 | CRMS0684-H01 | 310 | 0.26 | -0.18 | 0.25 | -0.19 | 0.12 | -0.19 | 0.09 | -0.18 |
| 926 | 8770570 | 1457 | 0.10 | -0.08 | 0.08 | -0.08 | 0.08 | -0.08 | 0.08 | -0.08 |

**Table 5: Locations Removed from Aggregated Performance Statistics Due to Unreliable or Repeated Data.**

| ICM Compartment | Station | Reason station was removed from aggregated performance statistics |
|---|---|---|
| 51 | CRMS4107-H01 | Signal mismatch |
| 87 | CRMS2634-H01 | Main Pass (Stem) possible datum issue |
| 108 | CRMS0128-H01 | Possible datum issue |
| 148 | CRMS0148-H01 | Black Bay (Breton) possible datum issue |
| 203 | CRMS0056-H01 | W Lake Pontch signal mismatch |
| 210 | CRMS0234-H01 | N Bayou Barataria (Barataria) signal mismatch |
| 236 | CRMS5255-H01 | Multiple stations |
| 273 | 8760922 | Possible datum issue |
| 334 | CRMS2939-W01 | Limited measured Data |
| 337 | 7381000 | Possible datum issue |
| 251 | CRMS0219-W01 | Lake Cataouatche (interior marsh) signal mismatch |
| 289 | 73802512 | Hackberry Bay (Mid Barataria) possible datum issue |
| 341 | 7380401 | Station is located in Bayou Lafourche near the Mississippi River where the bed elevation is much higher than the average bed elevation for this very elongated Compartment |
| 364 | CRMS3296-W01 | No Observed Data |
| 369 | CRMS5536-H01 | Possible datum issue - upper basin |
| 369 | CRMS5536-W01 | Possible datum issue - upper basin |
| 371 | CRMS0337-H01 | Multiple stations |
| 374 | 7381450 | Possible datum issue - upper basin |
| 378 | CRMS0414-H01 | Signal mismatch |
| 378 | CRMS5770-W01 | Possible datum issue - unreliable well station |
| 378 | CRMS0414-H01 | |
| 404 | CRMS0385-H01 | Possible datum issue or unknown protected area operations |
| 404 | CRMS0385-W01 | Possible datum issue or uknown protected area operations |

| | | |
|---|---|---|
| 409 | CRMS0324-H01 | Possible datum issue |
| 409 | CRMS0324-H01 | Possible datum issue |
| 418 | 73815963 | No Observed Data |
| 427 | 7381454 | No Observed Data |
| 439 | CRMS0355-W01 | Multiple stations in Compartment -limited measured Data |
| 441 | CRMS0403-W01 | Possible datum issue - limited measured Data |
| 462 | 7381324 | Possible datum issue - USGS station 07381328 is not far from this station and compares well with the model Data |
| 477 | 3.01E+14 | No Observed Data |
| 480 | CRMS0381-H01 | Station located in marsh and not well connected to water - high water levels during 2011 flood in the modeled Data because model was not able to simulate the closure of Bayou Chene |
| 482 | 2.95E+14 | Station gage datum is assumed |
| 488 | CRMS5035-H01 | Possible datum issue - high water levels during 2011 flood in the modeled Data because model was not able to simulate the closure of Bayou Chene |
| 489 | 3E+14 | Possible datum issue - located in a large Compartment in upper Atchafalaya Basin |
| 489 | 3.01E+14 | No Observed Data |
| 497 | 2.93E+14 | No Observed Data |
| 515 | 2.95E+14 | Station gage not referenced to datum |
| 536 | CRMS0294-H01 | Possible datum issue |
| 536 | CRMS0294-H01 | Possible datum issue |
| 539 | CRMS0398-W01 | Limited measured Data |
| 545 | CRMS4900-H01 | Located in the marsh - multiple stations in Compartment |
| 551 | CRMS0345-H01 | Possible datum issue |
| 551 | CRMS0347-H01 | Possible datum issue |
| 562 | 73815945 | No Observed Data |
| 562 | 7385820 | No Observed Data |

| | | |
|---|---|---|
| 563 | 73816202 | Possible datum issue |
| 563 | 73816202 | Possible datum issue |
| 570 | CRMS4938-H01 | Possible datum issue |
| 570 | CRMS5003-H01 | Possible datum issue |
| 570 | CRMS4938-H01 | Possible datum issue |
| 574 | CRMS6042-H01 | Possible datum issue |
| 574 | CRMS6042-W01 | Limited measured Data |
| 574 | CRMS6042-H01 | Possible datum issue |
| 576 | 73816501 | Station gage datum is assumed |
| 584 | CRMS0301-H01 | |
| 585 | 7381349 | Station gage datum is assumed |
| 587 | CRMS5992-H01 | |
| 590 | CRMS4014-H01 | Possible datum issue |
| 590 | CRMS4014-H01 | Possible datum issue |
| 591 | 7381670 | Possible datum issue |
| 595 | CRMS0482-H01 | Possible datum issue |
| 596 | CRMS0542-W01 | No Observed Data |
| 596 | CRMS0513-H01 | Signal mismatch - possible control missing |
| 599 | 73813498 | Station gage datum is assumed |
| 604 | CRMS2568-H01 | Possible datum issue |
| 604 | CRMS4016-H01 | Possible datum issue |
| 618 | 2.93E+14 | No Observed Data |
| 618 | CRMS0465-H01 | Possible datum issue |
| 621 | CRMS6008-H01 | Possible datum issue |
| 635 | CRMS0464-H01 | Possible datum issue |
| 636 | CRMS0545-H01 | Lots of scatter in Observed Data |
| 637 | CRMS0547-H01 | Lots of scatter in Observed Data |

| | | |
|---|---|---|
| 643 | 73815925 | No Observed Data |
| 654 | CRMS0479-H01 | Possible datum issue |
| 658 | CRMS0550-H01 | Lots of scatter in Observed Data |
| 678 | CRMS0514-H01 | Lots of scatter in Observed Data |
| 718 | CRMS0549-H01 | Lots of scatter in Observed Data |
| 718 | CRMS0532-H01 | Lots of scatter in Observed Data |
| 723 | CRMS0531-H01 | Lots of scatter in Observed Data |
| 727 | 7387040 | Lots of scatter in Observed Data |
| 736 | CRMS0523-H01 | Multiple stations |
| 738 | CRMS0552-H01 | Lots of scatter in Observed Data |
| 742 | CRMS0529-H01 | Signal mismatch - possible control missing |
| 744 | CRMS0498-H01 | Signal mismatch - possible control missing |
| 746 | 7387050 | Possible datum issue |
| 747 | CRMS2041-H01 | Lots of scatter in Observed Data |
| 753 | CRMS0567-H01 | Signal mismatch - possible control missing |
| 755 | CRMS0572-H01 | Signal mismatch - possible control missing |
| 758 | CRMS0619-H01 | Signal mismatch - possible control missing |
| 762 | CRMS0570-H01 | Signal mismatch - possible control missing |
| 767 | CRMS0571-H01 | Signal mismatch - possible control missing |
| 771 | CRMS1277-H01 | Signal mismatch - possible control missing |
| 773 | CRMS0593-H01 | Signal mismatch - possible control missing |
| 774 | CRMS0560-H01 | Signal mismatch - possible control missing |
| 775 | CRMS0557-H01 | Signal mismatch - possible control missing |
| 785 | CRMS1100-H01 | Signal mismatch - possible control missing |
| 788 | CRMS0556-H01 | Signal mismatch - possible control missing |
| 799 | CRMS1965-H01 | Possible datum issue |
| 801 | CRMS0626-H01 | Possible datum issue |

| | | |
|---|---|---|
| 816 | CRMS0599-H01 | Lots of Data gaps |
| 818 | CRMS0581-H01 | Possible datum issue |
| 824 | CRMS0615-H01 | Possible datum issue |
| 826 | CRMS1409-H01 | Signal mismatch - possible control missing |
| 827 | CRMS0587-H01 | Lots of Data gaps |
| 837 | 8017095 | Possible datum issue |
| 844 | CRMS1743-H01 | Data issue at start of Period |
| 849 | CRMS6302-H01 | Lots of Data gaps |
| 866 | CRMS6301-H01 | Possible datum issue |
| 879 | CRMS0651-H01 | Possible datum issue |
| 896 | CRMS0638-H01 | Multiple stations |
| 896 | CRMS1205-H01 | Possible datum issue |
| 901 | CRMS1858-H01 | Signal mismatch - possible control missing |
| 906 | CRMS2154-H01 | Greens Lake multiple stations |
| 909 | CRMS2189-H01 | Signal mismatch - possible control missing |

**Table 6: Summary of Modeled and Observed Mean Daily Stage (NAVD88 meters) for Calibration Period 2010-2013 for Sites Excluded from Aggregated Model Statistics.**

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 51 | CRMS4107-H01 | 1461 | 0.20 | 0.21 | 0.12 | -0.24 | 0.98 | 0.01 | 0.01 | 0.17 | -0.48 | 0.47 |
| 87 | CRMS2634-H01 | 1461 | 0.26 | 0.27 | 0.12 | -0.20 | 1.02 | 0.49 | 0.49 | 0.12 | 0.10 | 1.27 |
| 108 | CRMS0128-H01 | 802 | 0.37 | 0.32 | 0.18 | 0.09 | 0.85 | 0.24 | 0.16 | 0.19 | -0.01 | 1.26 |
| 148 | CRMS0148-H01 | 1461 | 0.20 | 0.21 | 0.12 | -0.23 | 1.00 | -0.01 | -0.02 | 0.19 | -0.57 | 2.14 |
| 203 | CRMS0056-H01 | 1432 | 0.23 | 0.23 | 0.12 | -0.06 | 0.98 | 0.33 | 0.31 | 0.13 | 0.03 | 2.02 |
| 210 | CRMS0234-H01 | 1276 | 0.15 | 0.15 | 0.10 | -0.18 | 0.63 | 0.39 | 0.40 | 0.09 | 0.21 | 1.12 |
| 236 | CRMS5255-H01 | 1427 | 0.22 | 0.22 | 0.14 | -0.24 | 1.02 | 0.20 | 0.19 | 0.21 | -0.32 | 1.76 |
| 273 | 8760922 | 1461 | 0.16 | 0.16 | 0.11 | -0.22 | 0.92 | -0.01 | -0.01 | 0.12 | -0.42 | 0.80 |
| 334 | CRMS2939-W01 | 279 | 0.27 | 0.27 | 0.12 | 0.04 | 0.75 | 0.36 | 0.36 | 0.13 | 0.11 | 0.78 |
| 337 | 07381000 | 1358 | 0.34 | 0.32 | 0.13 | 0.07 | 1.08 | 1.29 | 1.28 | 0.13 | 0.80 | 2.18 |
| 251 | CRMS0219-W01 | 1177 | 0.15 | 0.16 | 0.11 | -0.18 | 0.68 | 0.28 | 0.27 | 0.10 | 0.06 | 1.08 |
| 289 | 073802512 | 1393 | 0.14 | 0.14 | 0.10 | -0.20 | 0.66 | 0.45 | 0.46 | 0.16 | -0.67 | 1.09 |
| 341 | 07380401 | 1444 | 0.47 | 0.45 | 0.17 | 0.09 | 1.40 | 2.45 | 2.43 | 0.12 | 2.20 | 3.24 |
| 364 | CRMS3296-W01 | 0 | - | - | - | - | - | - | - | - | - | - |
| 369 | CRMS5536-H01 | 1385 | 0.64 | 0.63 | 0.23 | 0.21 | 1.29 | 0.14 | 0.14 | 0.18 | -0.44 | 0.57 |
| 369 | CRMS5536-H01 | 1385 | 0.64 | 0.63 | 0.23 | 0.21 | 1.29 | 0.14 | 0.14 | 0.18 | -0.44 | 0.57 |
| 371 | CRMS0337- | 1439 | 0.13 | 0.13 | 0.11 | -0.24 | 0.59 | 0.08 | 0.09 | 0.15 | -0.38 | 1.45 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| | H01 | | | | | | | | | | | |
| 374 | 07381450 | 1444 | 1.25 | 1.22 | 0.64 | 0.28 | 3.63 | 1.85 | 1.76 | 0.34 | 1.31 | 3.05 |
| 378 | CRMS0414-H01 | 1320 | 0.55 | 0.51 | 0.20 | 0.21 | 1.09 | 0.54 | 0.54 | 0.09 | 0.20 | 0.84 |
| 378 | CRMS0414-H01 | 1320 | 0.55 | 0.51 | 0.20 | 0.21 | 1.09 | 0.54 | 0.54 | 0.09 | 0.20 | 0.84 |
| 378 | CRMS0414-H01 | 1320 | 0.55 | 0.51 | 0.20 | 0.21 | 1.09 | 0.54 | 0.54 | 0.09 | 0.20 | 0.84 |
| 404 | CRMS0385-H01 | 424 | 0.56 | 0.57 | 0.05 | 0.47 | 0.70 | 0.18 | 0.18 | 0.04 | 0.08 | 0.37 |
| 404 | CRMS0385-H01 | 424 | 0.56 | 0.57 | 0.05 | 0.47 | 0.70 | 0.18 | 0.18 | 0.04 | 0.08 | 0.37 |
| 409 | CRMS0324-H01 | 1458 | 0.81 | 0.84 | 0.31 | 0.22 | 2.06 | 0.46 | 0.45 | 0.19 | -0.09 | 0.94 |
| 409 | CRMS0324-H01 | 1458 | 0.81 | 0.84 | 0.31 | 0.22 | 2.06 | 0.46 | 0.45 | 0.19 | -0.09 | 0.94 |
| 418 | 073815963 | 0 | - | - | - | - | - | - | - | - | - | - |
| 427 | 07381454 | 0 | - | - | - | - | - | - | - | - | - | - |
| 439 | CRMS0355-W01 | 285 | 0.15 | 0.15 | 0.12 | -0.11 | 0.49 | 0.28 | 0.28 | 0.10 | 0.05 | 0.68 |
| 441 | CRMS0403-W01 | 284 | 0.60 | 0.60 | 0.11 | 0.36 | 0.84 | -0.06 | -0.06 | 0.10 | -0.28 | 0.19 |
| 462 | 07381324 | 1424 | 0.17 | 0.17 | 0.10 | -0.12 | 0.65 | 0.45 | 0.46 | 0.14 | -0.03 | 1.10 |
| 477 | 300713091362400 | 0 | - | - | - | - | - | - | - | - | - | - |
| 480 | CRMS0381-H01 | 1427 | 0.38 | 0.37 | 0.14 | 0.12 | 0.93 | 0.24 | 0.25 | 0.08 | 0.09 | 0.78 |
| 482 | 294736091164200 | 1149 | 0.86 | 0.66 | 0.54 | 0.26 | 3.63 | 1.29 | 1.02 | 0.66 | 0.40 | 4.35 |
| 488 | CRMS5035-H01 | 1373 | 0.48 | 0.47 | 0.19 | 0.09 | 1.17 | 0.37 | 0.37 | 0.15 | -0.08 | 0.73 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 489 | 300312091320000 | 1341 | 1.91 | 1.80 | 1.02 | 0.53 | 5.20 | 2.70 | 2.50 | 0.92 | 1.63 | 6.05 |
| 489 | 300312091320000 | 1341 | 1.91 | 1.80 | 1.02 | 0.53 | 5.20 | 2.70 | 2.50 | 0.92 | 1.63 | 6.05 |
| 497 | 292952090565300 | 0 | - | - | - | - | - | - | - | - | - | - |
| 515 | 295011091184300 | 1391 | 0.94 | 0.85 | 0.53 | 0.26 | 3.69 | 1.28 | 1.15 | 0.66 | 0.17 | 4.46 |
| 536 | CRMS0294-H01 | 1461 | 0.27 | 0.27 | 0.13 | -0.05 | 0.81 | 0.06 | 0.07 | 0.12 | -0.39 | 0.65 |
| 536 | CRMS0294-H01 | 1461 | 0.27 | 0.27 | 0.13 | -0.05 | 0.81 | 0.06 | 0.07 | 0.12 | -0.39 | 0.65 |
| 539 | CRMS0398-W01 | 273 | 0.21 | 0.21 | 0.12 | -0.07 | 0.52 | 0.24 | 0.26 | 0.10 | -0.03 | 0.55 |
| 545 | CRMS4900-H01 | 1397 | 0.69 | 0.63 | 0.38 | 0.11 | 2.42 | 0.54 | 0.48 | 0.35 | -0.17 | 2.17 |
| 551 | CRMS0345-H01 | 1372 | 0.16 | 0.17 | 0.11 | -0.19 | 0.65 | -0.01 | 0.00 | 0.14 | -0.60 | 0.69 |
| 551 | CRMS0345-H01 | 1372 | 0.16 | 0.17 | 0.11 | -0.19 | 0.65 | -0.01 | 0.00 | 0.14 | -0.60 | 0.69 |
| 562 | 073815945 | 0 | - | - | - | - | - | - | - | - | - | - |
| 562 | 073815945 | 0 | - | - | - | - | - | - | - | - | - | - |
| 563 | 073816202 | 1440 | 0.69 | 0.64 | 0.32 | 0.12 | 2.01 | 0.51 | 0.44 | 0.35 | -0.22 | 1.98 |
| 563 | 073816202 | 1440 | 0.69 | 0.64 | 0.32 | 0.12 | 2.01 | 0.51 | 0.44 | 0.35 | -0.22 | 1.98 |
| 570 | CRMS4938-H01 | 1457 | 0.62 | 0.59 | 0.30 | 0.12 | 1.94 | 0.45 | 0.41 | 0.29 | -0.26 | 1.80 |
| 570 | CRMS4938-H01 | 1457 | 0.62 | 0.59 | 0.30 | 0.12 | 1.94 | 0.45 | 0.41 | 0.29 | -0.26 | 1.80 |
| 570 | CRMS4938-H01 | 1457 | 0.62 | 0.59 | 0.30 | 0.12 | 1.94 | 0.45 | 0.41 | 0.29 | -0.26 | 1.80 |
| 574 | CRMS6042- | 1400 | 0.69 | 0.66 | 0.31 | 0.16 | 1.86 | 0.48 | 0.42 | 0.31 | -0.25 | 1.97 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| | H01 | | | | | | | | | | | |
| 574 | CRMS6042-H01 | 1400 | 0.69 | 0.66 | 0.31 | 0.16 | 1.86 | 0.48 | 0.42 | 0.31 | -0.25 | 1.97 |
| 574 | CRMS6042-H01 | 1400 | 0.69 | 0.66 | 0.31 | 0.16 | 1.86 | 0.48 | 0.42 | 0.31 | -0.25 | 1.97 |
| 576 | 073816501 | 0 | - | - | - | - | - | - | - | - | - | - |
| 584 | CRMS0301-H01 | 1435 | 0.48 | 0.46 | 0.22 | 0.10 | 1.42 | 0.31 | 0.30 | 0.18 | -0.15 | 1.15 |
| 585 | 07381349 | 1457 | 0.15 | 0.16 | 0.12 | -0.26 | 0.67 | 0.37 | 0.38 | 0.16 | -0.27 | 1.16 |
| 587 | CRMS5992-H01 | 1399 | 0.29 | 0.29 | 0.11 | -0.07 | 0.68 | 0.35 | 0.36 | 0.17 | -0.36 | 0.93 |
| 590 | CRMS4014-H01 | 1450 | 0.54 | 0.50 | 0.26 | 0.05 | 1.68 | 0.18 | 0.17 | 0.18 | -0.47 | 1.00 |
| 590 | CRMS4014-H01 | 1450 | 0.54 | 0.50 | 0.26 | 0.05 | 1.68 | 0.18 | 0.17 | 0.18 | -0.47 | 1.00 |
| 591 | 07381670 | 1418 | 0.56 | 0.55 | 0.23 | 0.08 | 1.52 | 0.35 | 0.33 | 0.24 | -0.44 | 1.29 |
| 595 | CRMS0482-H01 | 1426 | 0.57 | 0.52 | 0.27 | 0.06 | 1.67 | 0.20 | 0.18 | 0.23 | -0.46 | 1.31 |
| 596 | CRMS0542-W01 | 1 | 0.14 | 0.14 | - | 0.14 | 0.14 | 1.43 | 1.43 | - | 1.43 | 1.43 |
| 596 | CRMS0542-W01 | 1 | 0.14 | 0.14 | - | 0.14 | 0.14 | 1.43 | 1.43 | - | 1.43 | 1.43 |
| 599 | 073813498 | 1432 | 0.13 | 0.14 | 0.11 | -0.26 | 0.61 | 0.32 | 0.32 | 0.13 | -0.15 | 0.86 |
| 604 | CRMS2568-H01 | 1419 | 0.55 | 0.51 | 0.26 | 0.06 | 1.58 | 0.20 | 0.19 | 0.20 | -0.45 | 1.15 |
| 604 | CRMS2568-H01 | 1419 | 0.55 | 0.51 | 0.26 | 0.06 | 1.58 | 0.20 | 0.19 | 0.20 | -0.45 | 1.15 |
| 618 | 293229091230800 | 0 | - | - | - | - | - | - | - | - | - | - |
| 618 | 293229091230800 | 0 | - | - | - | - | - | - | - | - | - | - |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 621 | CRMS6008-H01 | 1460 | 0.58 | 0.55 | 0.25 | 0.10 | 1.51 | 0.37 | 0.35 | 0.20 | -0.15 | 1.31 |
| 635 | CRMS0464-H01 | 1389 | 0.21 | 0.21 | 0.12 | -0.18 | 0.68 | 0.35 | 0.35 | 0.14 | -0.13 | 1.11 |
| 636 | CRMS0545-H01 | 1461 | 0.20 | 0.21 | 0.11 | -0.19 | 0.62 | 0.23 | 0.25 | 0.17 | -0.49 | 1.02 |
| 637 | CRMS0547-H01 | 1406 | 0.19 | 0.19 | 0.12 | -0.23 | 0.60 | 0.11 | 0.12 | 0.19 | -0.52 | 0.75 |
| 643 | 073815925 | 0 | - | - | - | - | - | - | - | - | - | - |
| 654 | CRMS0479-H01 | 1458 | 0.49 | 0.47 | 0.22 | 0.00 | 1.17 | 0.33 | 0.33 | 0.17 | -0.27 | 1.03 |
| 658 | CRMS0550-H01 | 1424 | 0.21 | 0.22 | 0.11 | -0.18 | 0.61 | 0.18 | 0.20 | 0.18 | -0.60 | 1.02 |
| 678 | CRMS0514-H01 | 1455 | 0.19 | 0.19 | 0.12 | -0.23 | 0.60 | 0.27 | 0.27 | 0.17 | -0.15 | 1.06 |
| 718 | CRMS0549-H01 | 1421 | 0.17 | 0.17 | 0.13 | -0.31 | 0.60 | 0.35 | 0.36 | 0.18 | -0.14 | 1.20 |
| 718 | CRMS0549-H01 | 1421 | 0.17 | 0.17 | 0.13 | -0.31 | 0.60 | 0.35 | 0.36 | 0.18 | -0.14 | 1.20 |
| 723 | CRMS0531-H01 | 1454 | 0.20 | 0.20 | 0.11 | -0.08 | 0.60 | 0.29 | 0.30 | 0.18 | -0.19 | 1.07 |
| 727 | 07387040 | 1432 | 0.17 | 0.17 | 0.13 | -0.31 | 0.60 | 0.07 | 0.08 | 0.20 | -0.96 | 0.85 |
| 736 | CRMS0523-H01 | 1350 | 0.19 | 0.20 | 0.12 | -0.13 | 0.61 | 0.17 | 0.17 | 0.16 | -0.31 | 0.75 |
| 738 | CRMS0552-H01 | 1425 | 0.20 | 0.20 | 0.12 | -0.22 | 0.68 | 0.24 | 0.24 | 0.16 | -0.46 | 0.92 |
| 742 | CRMS0529-H01 | 1258 | 0.19 | 0.19 | 0.11 | -0.09 | 0.60 | 0.43 | 0.43 | 0.05 | 0.24 | 0.95 |
| 744 | CRMS0498-H01 | 1410 | 0.15 | 0.16 | 0.14 | -0.46 | 0.59 | 0.31 | 0.31 | 0.07 | 0.03 | 0.86 |
| 746 | 07387050 | 1299 | 0.18 | 0.18 | 0.12 | -0.23 | 0.60 | 1.77 | 1.77 | 0.19 | 0.79 | 2.42 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 747 | CRMS2041-H01 | 1393 | 0.17 | 0.18 | 0.12 | -0.23 | 0.60 | 0.29 | 0.28 | 0.17 | -0.12 | 1.02 |
| 753 | CRMS0567-H01 | 1255 | 0.25 | 0.24 | 0.13 | -0.04 | 0.77 | 0.27 | 0.27 | 0.15 | -0.20 | 0.63 |
| 755 | CRMS0572-H01 | 1335 | 0.21 | 0.22 | 0.10 | -0.18 | 0.68 | 0.15 | 0.14 | 0.11 | -0.14 | 0.58 |
| 758 | CRMS0619-H01 | 1421 | 0.18 | 0.19 | 0.12 | -0.22 | 0.60 | 0.29 | 0.28 | 0.07 | 0.12 | 0.61 |
| 762 | CRMS0570-H01 | 1258 | 0.23 | 0.23 | 0.12 | -0.04 | 0.73 | 0.24 | 0.23 | 0.15 | -0.01 | 0.93 |
| 767 | CRMS0571-H01 | 1461 | 0.19 | 0.19 | 0.12 | -0.21 | 0.59 | 0.28 | 0.28 | 0.09 | 0.05 | 0.64 |
| 771 | CRMS1277-H01 | 1411 | 0.24 | 0.23 | 0.11 | -0.04 | 0.73 | 0.10 | 0.12 | 0.19 | -0.49 | 0.77 |
| 773 | CRMS0593-H01 | 1161 | 0.25 | 0.22 | 0.16 | -0.08 | 1.14 | 0.22 | 0.19 | 0.23 | -0.32 | 1.30 |
| 774 | CRMS0560-H01 | 1428 | 0.23 | 0.23 | 0.12 | -0.04 | 0.74 | 0.17 | 0.23 | 0.20 | -0.28 | 0.76 |
| 775 | CRMS0557-H01 | 1023 | 0.25 | 0.23 | 0.14 | -0.07 | 0.87 | 0.38 | 0.38 | 0.13 | 0.10 | 1.02 |
| 785 | CRMS1100-H01 | 1461 | 0.23 | 0.23 | 0.11 | -0.04 | 0.73 | 0.35 | 0.36 | 0.17 | -0.16 | 1.07 |
| 788 | CRMS0556-H01 | 1429 | 0.24 | 0.23 | 0.13 | -0.07 | 0.87 | 0.29 | 0.28 | 0.18 | -0.28 | 1.14 |
| 799 | CRMS1965-H01 | 957 | 0.29 | 0.28 | 0.09 | 0.06 | 0.60 | 0.40 | 0.39 | 0.09 | 0.21 | 0.69 |
| 801 | CRMS0626-H01 | 1275 | 0.24 | 0.23 | 0.11 | -0.04 | 0.73 | 0.00 | -0.01 | 0.16 | -0.46 | 0.68 |
| 816 | CRMS0599-H01 | 531 | 0.20 | 0.20 | 0.11 | -0.04 | 0.51 | 0.30 | 0.27 | 0.10 | 0.12 | 0.72 |
| 818 | CRMS0581-H01 | 1345 | 0.23 | 0.23 | 0.10 | 0.01 | 0.53 | 0.03 | 0.03 | 0.11 | -0.29 | 0.46 |

| ICM Compartment | Station | # Observations | Predicted | | | | | Observed | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | StDev | Min | Max | Mean | Median | StDev | Min | Max |
| 824 | CRMS0615-H01 | 1238 | 0.25 | 0.25 | 0.09 | 0.03 | 0.54 | 0.06 | 0.06 | 0.11 | -0.18 | 0.38 |
| 826 | CRMS1409-H01 | 1461 | 0.23 | 0.22 | 0.13 | -0.07 | 0.84 | 0.26 | 0.24 | 0.17 | -0.15 | 0.93 |
| 827 | CRMS0587-H01 | 1237 | 0.23 | 0.22 | 0.13 | -0.06 | 0.82 | 0.15 | 0.18 | 0.16 | -0.17 | 0.81 |
| 837 | 08017095 | 1143 | 0.15 | 0.15 | 0.13 | -0.34 | 0.54 | 0.99 | 0.99 | 0.18 | 0.13 | 1.56 |
| 844 | CRMS1743-H01 | 1411 | 0.20 | 0.19 | 0.13 | -0.17 | 0.66 | 0.14 | 0.13 | 0.13 | -0.29 | 0.81 |
| 849 | CRMS6302-H01 | 86 | 0.15 | 0.16 | 0.09 | -0.06 | 0.33 | 0.16 | 0.19 | 0.13 | -0.18 | 0.48 |
| 866 | CRMS6301-H01 | 1128 | 0.21 | 0.20 | 0.11 | -0.02 | 0.69 | 0.37 | 0.36 | 0.10 | 0.14 | 0.66 |
| 879 | CRMS0651-H01 | 1453 | 0.20 | 0.20 | 0.12 | -0.08 | 0.72 | 0.35 | 0.34 | 0.10 | 0.13 | 0.62 |
| 896 | CRMS0638-H01 | 1381 | 0.19 | 0.18 | 0.12 | -0.08 | 0.63 | 0.28 | 0.27 | 0.11 | 0.04 | 0.56 |
| 896 | CRMS0638-H01 | 1381 | 0.19 | 0.18 | 0.12 | -0.08 | 0.63 | 0.28 | 0.27 | 0.11 | 0.04 | 0.56 |
| 901 | CRMS1858-H01 | 1441 | 0.22 | 0.20 | 0.13 | -0.08 | 0.77 | 0.34 | 0.40 | 0.16 | -0.22 | 0.59 |
| 906 | CRMS2154-H01 | 1389 | 0.21 | 0.20 | 0.12 | -0.08 | 0.70 | 0.30 | 0.29 | 0.11 | 0.06 | 0.67 |
| 909 | CRMS2189-H01 | 1203 | 0.16 | 0.16 | 0.15 | -0.36 | 0.67 | 0.40 | 0.39 | 0.06 | 0.21 | 0.75 |
| 20 | CRMS1069-H01 | 1412 | 0.19 | 0.20 | 0.13 | -0.29 | 1.04 | 0.18 | 0.18 | 0.16 | -0.30 | 1.93 |

**Table 7: Model Performance for Mean Daily Stage (NAVD88 meters) for Calibration Period 2010-2013 for Sites Excluded from Aggregated Model Statistics.**

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 | CRMS4107-H01 | 1461 | 0.27 | 0.18 | 0.26 | 0.18 | 0.26 | 0.18 | 0.21 | 0.18 |
| 87 | CRMS2634-H01 | 1461 | 0.24 | -0.23 | 0.23 | -0.23 | 0.23 | -0.23 | 0.23 | -0.23 |
| 108 | CRMS0128-H01 | 802 | 0.17 | 0.13 | 0.16 | 0.13 | 0.12 | 0.13 | 0.11 | 0.12 |
| 148 | CRMS0148-H01 | 1461 | 0.25 | 0.21 | 0.23 | 0.22 | 0.22 | 0.21 | 0.22 | 0.21 |
| 203 | CRMS0056-H01 | 1432 | 0.14 | -0.10 | 0.12 | -0.10 | 0.12 | -0.10 | 0.10 | -0.10 |
| 210 | CRMS0234-H01 | 1276 | 0.27 | -0.24 | 0.26 | -0.24 | 0.25 | -0.23 | 0.24 | -0.24 |
| 236 | CRMS5255-H01 | 1427 | 0.13 | 0.02 | 0.09 | 0.02 | 0.07 | 0.02 | 0.04 | 0.02 |
| 273 | 8760922 | 1461 | 0.18 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 |
| 334 | CRMS2939-W01 | 279 | 0.12 | -0.09 | 0.11 | -0.09 | 0.05 | -0.09 | 0.05 | -0.09 |
| 337 | 07381000 | 1358 | 0.96 | -0.96 | 0.96 | -0.96 | 0.95 | -0.96 | 0.96 | -0.95 |
| 251 | CRMS0219-W01 | 1177 | 0.16 | -0.13 | 0.15 | -0.13 | 0.13 | -0.13 | 0.13 | -0.13 |
| 289 | 073802512 | 1393 | 0.33 | -0.32 | 0.32 | -0.32 | 0.33 | -0.32 | 0.32 | -0.32 |
| 341 | 07380401 | 1444 | 1.99 | -1.98 | 1.99 | -1.98 | 1.99 | -1.98 | 1.98 | -1.98 |
| 364 | CRMS3296-W01 | 0 | - | - | - | - | - | - | - | - |
| 369 | CRMS5536-H01 | 1385 | 0.52 | 0.49 | 0.51 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 |
| 369 | CRMS5536-H01 | 1385 | 0.52 | 0.49 | 0.51 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 |
| 371 | CRMS0337-H01 | 1439 | 0.09 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 | 0.04 | 0.04 |
| 374 | 07381450 | 1444 | 0.77 | -0.60 | 0.75 | -0.59 | 0.71 | -0.60 | 0.61 | -0.60 |
| 378 | CRMS0414-H01 | 1320 | 0.17 | 0.01 | 0.17 | 0.01 | 0.15 | 0.01 | 0.04 | 0.01 |
| 378 | CRMS0414-H01 | 1320 | 0.17 | 0.01 | 0.17 | 0.01 | 0.15 | 0.01 | 0.04 | 0.01 |
| 378 | CRMS0414-H01 | 1320 | 0.17 | 0.01 | 0.17 | 0.01 | 0.15 | 0.01 | 0.04 | 0.01 |
| 404 | CRMS0385-H01 | 424 | 0.38 | 0.38 | 0.38 | 0.38 | 0.21 | 0.38 | 0.25 | 0.36 |
| 404 | CRMS0385-H01 | 424 | 0.38 | 0.38 | 0.38 | 0.38 | 0.21 | 0.38 | 0.25 | 0.36 |
| 409 | CRMS0324-H01 | 1458 | 0.40 | 0.35 | 0.39 | 0.35 | 0.38 | 0.35 | 0.35 | 0.35 |
| 409 | CRMS0324-H01 | 1458 | 0.40 | 0.35 | 0.39 | 0.35 | 0.38 | 0.35 | 0.35 | 0.35 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 073815963 | 0 | - | - | - | - | - | - | - | - |
| 427 | 07381454 | 0 | - | - | - | - | - | - | - | - |
| 439 | CRMS0355-W01 | 285 | 0.14 | -0.12 | 0.13 | -0.13 | 0.06 | -0.12 | 0.06 | -0.12 |
| 441 | CRMS0403-W01 | 284 | 0.66 | 0.66 | 0.66 | 0.66 | 0.30 | 0.66 | 0.33 | 0.66 |
| 462 | 07381324 | 1424 | 0.30 | -0.28 | 0.29 | -0.28 | 0.29 | -0.29 | 0.29 | -0.29 |
| 477 | 300713091362400 | 0 | - | - | - | - | - | - | - | - |
| 480 | CRMS0381-H01 | 1427 | 0.19 | 0.14 | 0.19 | 0.14 | 0.18 | 0.14 | 0.14 | 0.14 |
| 482 | 294736091164200 | 1149 | 0.45 | -0.42 | 0.44 | -0.42 | 0.40 | -0.43 | 0.40 | -0.40 |
| 488 | CRMS5035-H01 | 1373 | 0.15 | 0.11 | 0.14 | 0.11 | 0.14 | 0.11 | 0.12 | 0.12 |
| 489 | 300312091320000 | 1341 | 0.82 | -0.79 | 0.82 | -0.80 | 0.79 | -0.79 | 0.80 | -0.80 |
| 489 | 300312091320000 | 1341 | 0.82 | -0.79 | 0.82 | -0.80 | 0.79 | -0.79 | 0.80 | -0.80 |
| 497 | 292952090565300 | 0 | - | - | - | - | - | - | - | - |
| 515 | 295011091184300 | 1391 | 0.37 | -0.34 | 0.37 | -0.34 | 0.37 | -0.34 | 0.34 | -0.34 |
| 536 | CRMS0294-H01 | 1461 | 0.23 | 0.21 | 0.22 | 0.21 | 0.22 | 0.21 | 0.22 | 0.21 |
| 536 | CRMS0294-H01 | 1461 | 0.23 | 0.21 | 0.22 | 0.21 | 0.22 | 0.21 | 0.22 | 0.21 |
| 539 | CRMS0398-W01 | 273 | 0.10 | -0.03 | 0.08 | -0.03 | 0.03 | -0.03 | 0.02 | -0.03 |
| 545 | CRMS4900-H01 | 1397 | 0.18 | 0.15 | 0.17 | 0.15 | 0.16 | 0.15 | 0.15 | 0.15 |
| 551 | CRMS0345-H01 | 1372 | 0.19 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| 551 | CRMS0345-H01 | 1372 | 0.19 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| 562 | 073815945 | 0 | - | - | - | - | - | - | - | - |
| 562 | 073815945 | 0 | - | - | - | - | - | - | - | - |
| 563 | 073816202 | 1440 | 0.19 | 0.18 | 0.18 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 |
| 563 | 073816202 | 1440 | 0.19 | 0.18 | 0.18 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 |
| 570 | CRMS4938-H01 | 1457 | 0.19 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 |
| 570 | CRMS4938-H01 | 1457 | 0.19 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 |
| 570 | CRMS4938-H01 | 1457 | 0.19 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 |
| 574 | CRMS6042-H01 | 1400 | 0.24 | 0.22 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 574 | CRMS6042-H01 | 1400 | 0.24 | 0.22 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 574 | CRMS6042-H01 | 1400 | 0.24 | 0.22 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 576 | 073816501 | 0 | - | - | - | - | - | - | - | - |
| 584 | CRMS0301-H01 | 1435 | 0.20 | 0.17 | 0.19 | 0.17 | 0.19 | 0.17 | 0.17 | 0.17 |
| 585 | 07381349 | 1457 | 0.24 | -0.22 | 0.22 | -0.21 | 0.22 | -0.22 | 0.22 | -0.22 |
| 587 | CRMS5992-H01 | 1399 | 0.13 | -0.06 | 0.09 | -0.06 | 0.08 | -0.06 | 0.06 | -0.06 |
| 590 | CRMS4014-H01 | 1450 | 0.39 | 0.36 | 0.38 | 0.36 | 0.38 | 0.36 | 0.36 | 0.36 |
| 590 | CRMS4014-H01 | 1450 | 0.39 | 0.36 | 0.38 | 0.36 | 0.38 | 0.36 | 0.36 | 0.36 |
| 591 | 07381670 | 1418 | 0.23 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 595 | CRMS0482-H01 | 1426 | 0.38 | 0.36 | 0.38 | 0.36 | 0.37 | 0.37 | 0.37 | 0.36 |
| 596 | CRMS0542-W01 | 1 | - | - | - | - | 0.19 | -1.29 | 0.64 | -1.29 |
| 596 | CRMS0542-W01 | 1 | - | - | - | - | 0.19 | -1.29 | 0.64 | -1.29 |
| 599 | 073813498 | 1432 | 0.19 | -0.18 | 0.19 | -0.18 | 0.19 | -0.18 | 0.18 | -0.18 |
| 604 | CRMS2568-H01 | 1419 | 0.38 | 0.35 | 0.37 | 0.35 | 0.37 | 0.35 | 0.35 | 0.35 |
| 604 | CRMS2568-H01 | 1419 | 0.38 | 0.35 | 0.37 | 0.35 | 0.37 | 0.35 | 0.35 | 0.35 |
| 618 | 293229091230800 | 0 | - | - | - | - | - | - | - | - |
| 618 | 293229091230800 | 0 | - | - | - | - | - | - | - | - |
| 621 | CRMS6008-H01 | 1460 | 0.26 | 0.22 | 0.25 | 0.22 | 0.24 | 0.22 | 0.22 | 0.22 |
| 635 | CRMS0464-H01 | 1389 | 0.17 | -0.14 | 0.16 | -0.14 | 0.16 | -0.15 | 0.15 | -0.14 |
| 636 | CRMS0545-H01 | 1461 | 0.12 | -0.02 | 0.06 | -0.02 | 0.06 | -0.02 | 0.03 | -0.02 |
| 637 | CRMS0547-H01 | 1406 | 0.15 | 0.07 | 0.10 | 0.07 | 0.10 | 0.07 | 0.07 | 0.07 |
| 643 | 073815925 | 0 | - | - | - | - | - | - | - | - |
| 654 | CRMS0479-H01 | 1458 | 0.19 | 0.16 | 0.18 | 0.16 | 0.18 | 0.16 | 0.16 | 0.16 |
| 658 | CRMS0550-H01 | 1424 | 0.13 | 0.03 | 0.07 | 0.03 | 0.06 | 0.03 | 0.03 | 0.03 |
| 678 | CRMS0514-H01 | 1455 | 0.14 | -0.08 | 0.10 | -0.08 | 0.09 | -0.08 | 0.08 | -0.08 |
| 718 | CRMS0549-H01 | 1421 | 0.21 | -0.18 | 0.19 | -0.18 | 0.19 | -0.18 | 0.18 | -0.18 |
| 718 | CRMS0549-H01 | 1421 | 0.21 | -0.18 | 0.19 | -0.18 | 0.19 | -0.18 | 0.18 | -0.18 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 723 | CRMS0531-H01 | 1454 | 0.16 | -0.10 | 0.12 | -0.09 | 0.11 | -0.10 | 0.10 | -0.10 |
| 727 | 07387040 | 1432 | 0.17 | 0.10 | 0.12 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 |
| 736 | CRMS0523-H01 | 1350 | 0.10 | 0.02 | 0.05 | 0.02 | 0.05 | 0.02 | 0.03 | 0.02 |
| 738 | CRMS0552-H01 | 1425 | 0.14 | -0.04 | 0.10 | -0.04 | 0.09 | -0.04 | 0.05 | -0.04 |
| 742 | CRMS0529-H01 | 1258 | 0.26 | -0.24 | 0.26 | -0.24 | 0.25 | -0.25 | 0.24 | -0.24 |
| 744 | CRMS0498-H01 | 1410 | 0.20 | -0.15 | 0.18 | -0.15 | 0.18 | -0.16 | 0.15 | -0.15 |
| 746 | 07387050 | 1299 | 1.60 | -1.59 | 1.59 | -1.59 | 1.51 | -1.59 | 1.59 | -1.59 |
| 747 | CRMS2041-H01 | 1393 | 0.17 | -0.12 | 0.13 | -0.12 | 0.13 | -0.12 | 0.12 | -0.12 |
| 753 | CRMS0567-H01 | 1255 | 0.19 | -0.02 | 0.19 | -0.02 | 0.18 | 0.00 | 0.03 | -0.02 |
| 755 | CRMS0572-H01 | 1335 | 0.14 | 0.07 | 0.13 | 0.06 | 0.13 | 0.07 | 0.07 | 0.07 |
| 758 | CRMS0619-H01 | 1421 | 0.15 | -0.10 | 0.13 | -0.10 | 0.12 | -0.10 | 0.10 | -0.10 |
| 762 | CRMS0570-H01 | 1258 | 0.12 | -0.01 | 0.12 | -0.01 | 0.11 | 0.00 | 0.04 | -0.01 |
| 767 | CRMS0571-H01 | 1461 | 0.15 | -0.09 | 0.14 | -0.09 | 0.13 | -0.09 | 0.09 | -0.09 |
| 771 | CRMS1277-H01 | 1411 | 0.23 | 0.14 | 0.22 | 0.14 | 0.22 | 0.14 | 0.15 | 0.14 |
| 773 | CRMS0593-H01 | 1161 | 0.18 | 0.03 | 0.17 | 0.02 | 0.16 | 0.04 | 0.11 | 0.00 |
| 774 | CRMS0560-H01 | 1428 | 0.19 | 0.06 | 0.19 | 0.06 | 0.19 | 0.06 | 0.10 | 0.06 |
| 775 | CRMS0557-H01 | 1023 | 0.18 | -0.13 | 0.17 | -0.13 | 0.14 | -0.12 | 0.15 | -0.15 |
| 785 | CRMS1100-H01 | 1461 | 0.17 | -0.11 | 0.17 | -0.11 | 0.17 | -0.11 | 0.12 | -0.11 |
| 788 | CRMS0556-H01 | 1429 | 0.15 | -0.05 | 0.15 | -0.05 | 0.15 | -0.04 | 0.07 | -0.05 |
| 799 | CRMS1965-H01 | 957 | 0.15 | -0.11 | 0.15 | -0.11 | 0.13 | -0.11 | 0.12 | -0.12 |
| 801 | CRMS0626-H01 | 1275 | 0.26 | 0.24 | 0.26 | 0.24 | 0.24 | 0.24 | 0.25 | 0.24 |
| 816 | CRMS0599-H01 | 531 | 0.13 | -0.10 | 0.11 | -0.09 | 0.07 | -0.10 | 0.08 | -0.11 |
| 818 | CRMS0581-H01 | 1345 | 0.23 | 0.20 | 0.22 | 0.20 | 0.22 | 0.20 | 0.20 | 0.20 |
| 824 | CRMS0615-H01 | 1238 | 0.21 | 0.20 | 0.21 | 0.20 | 0.22 | 0.21 | 0.20 | 0.20 |
| 826 | CRMS1409-H01 | 1461 | 0.13 | -0.03 | 0.13 | -0.03 | 0.12 | -0.03 | 0.06 | -0.03 |
| 827 | CRMS0587-H01 | 1237 | 0.15 | 0.08 | 0.14 | 0.08 | 0.15 | 0.09 | 0.10 | 0.09 |
| 837 | 08017095 | 1143 | 0.85 | -0.84 | 0.85 | -0.84 | 0.76 | -0.84 | 0.86 | -0.86 |

| ICM Compartment | Station | # Observations | Daily RMSE | Daily Bias | Two-week RMSE | Two-week Bias | Monthly RMSE | Monthly Bias | Annual RMSE | Annual Bias |
|---|---|---|---|---|---|---|---|---|---|---|
| 844 | CRMS1743-H01 | 1411 | 0.15 | 0.06 | 0.13 | 0.06 | 0.13 | 0.06 | 0.07 | 0.06 |
| 849 | CRMS6302-H01 | 86 | 0.10 | -0.01 | 0.04 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| 866 | CRMS6301-H01 | 1128 | 0.17 | -0.15 | 0.17 | -0.16 | 0.16 | -0.16 | 0.15 | -0.15 |
| 879 | CRMS0651-H01 | 1453 | 0.16 | -0.14 | 0.15 | -0.14 | 0.15 | -0.14 | 0.14 | -0.14 |
| 896 | CRMS0638-H01 | 1381 | 0.11 | -0.08 | 0.11 | -0.08 | 0.10 | -0.08 | 0.09 | -0.08 |
| 896 | CRMS0638-H01 | 1381 | 0.11 | -0.08 | 0.11 | -0.08 | 0.10 | -0.08 | 0.09 | -0.08 |
| 901 | CRMS1858-H01 | 1441 | 0.22 | -0.12 | 0.21 | -0.12 | 0.20 | -0.12 | 0.13 | -0.12 |
| 906 | CRMS2154-H01 | 1389 | 0.11 | -0.10 | 0.10 | -0.10 | 0.10 | -0.10 | 0.10 | -0.10 |
| 909 | CRMS2189-H01 | 1203 | 0.27 | -0.24 | 0.26 | -0.24 | 0.23 | -0.24 | 0.25 | -0.25 |

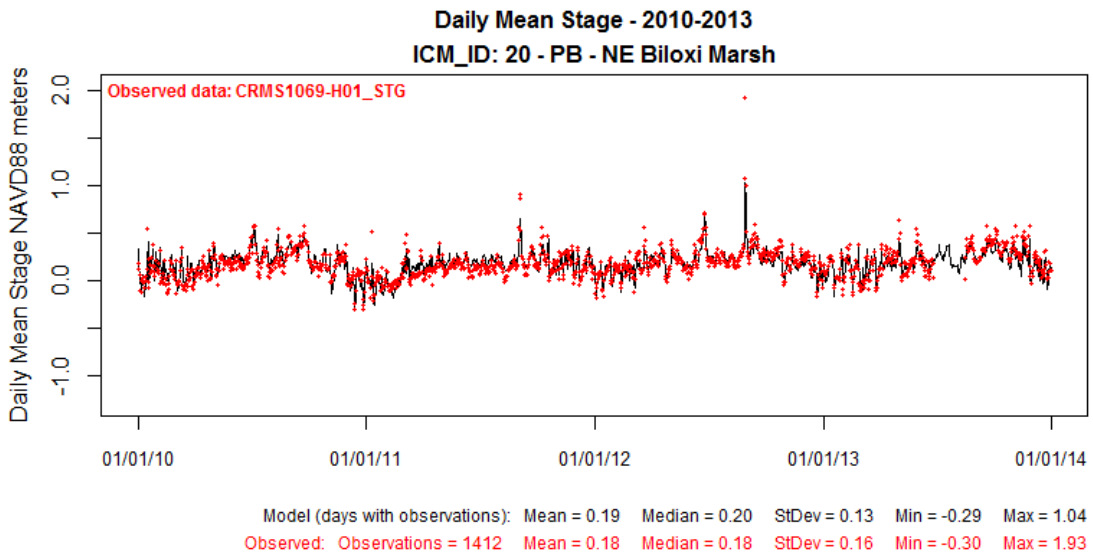


**Figure 1: Modeled Stage at ICM Compartment 20 (solid black line) Compared to Observed Data at CRMS1069-H01 for Calibration Period 2010-2013.**

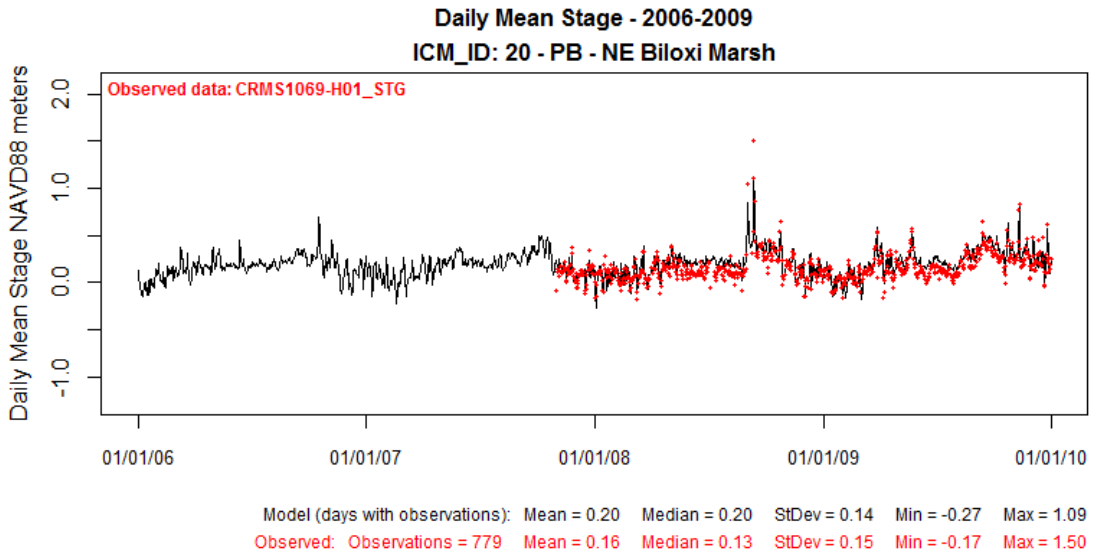


**Figure 2: Modeled Stage at ICM Compartment 20 (solid black line) Compared to Observed Data at CRMS1069-H01 for Validation Period 2006-2009.**

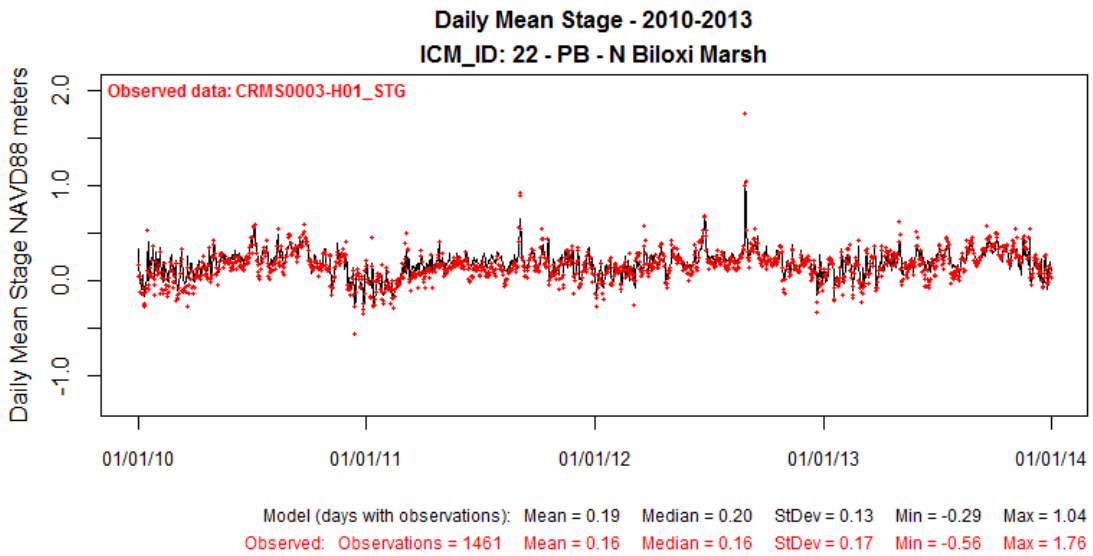


**Figure 3: Modeled Stage at ICM Compartment 22 (solid black line) Compared to Observed Data at CRMS0003-H01 for Calibration Period 2010-2013.**

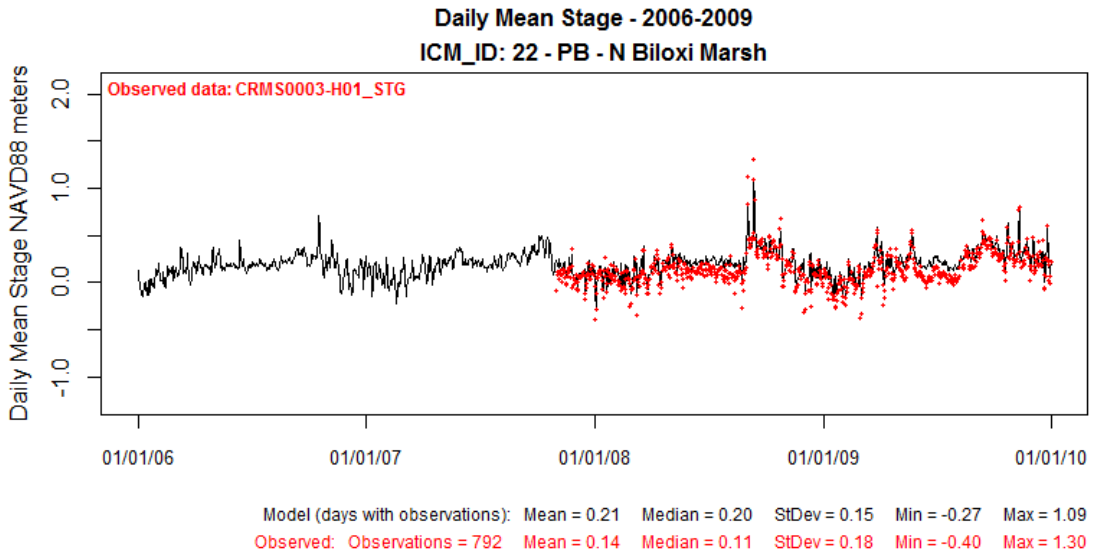


**Figure 4: Modeled Stage at ICM Compartment 22 (solid black line) Compared to Observed Data at CRMS0003-H01 for Validation Period 2006-2009.**

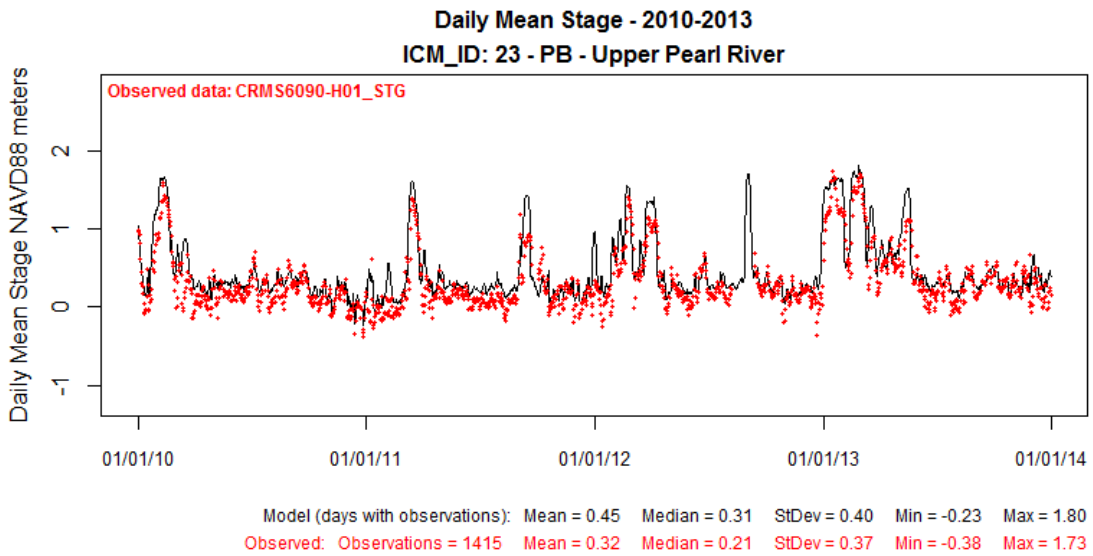


**Figure 5: Modeled Stage at ICM Compartment 23 (solid black line) Compared to Observed Data at CRMS6090-H01 for Calibration Period 2010-2013.**

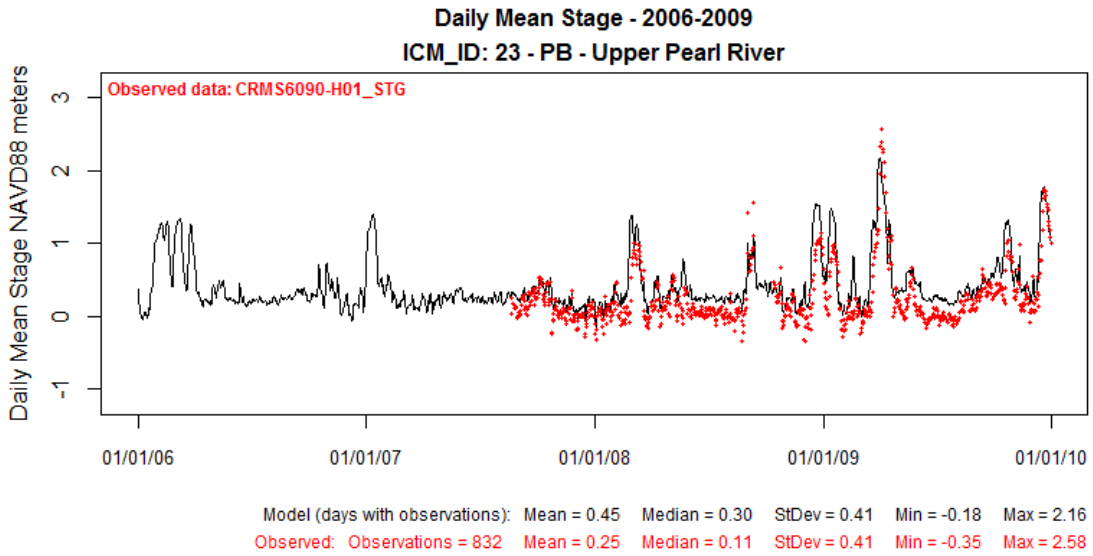


**Figure 6: Modeled Stage at ICM Compartment 23 (solid black line) Compared to Observed Data at CRMS6090-H01 for Validation Period 2006-2009.**

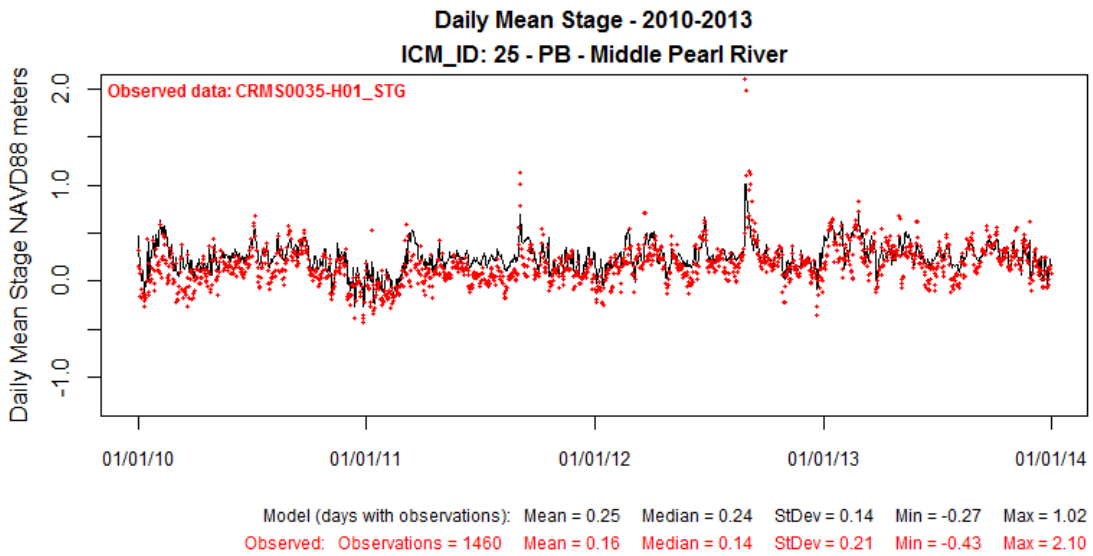


**Figure 7: Modeled Stage at ICM Compartment 25 (solid black line) Compared to Observed Data at CRMS0035-H01 for Calibration Period 2010-2013.**

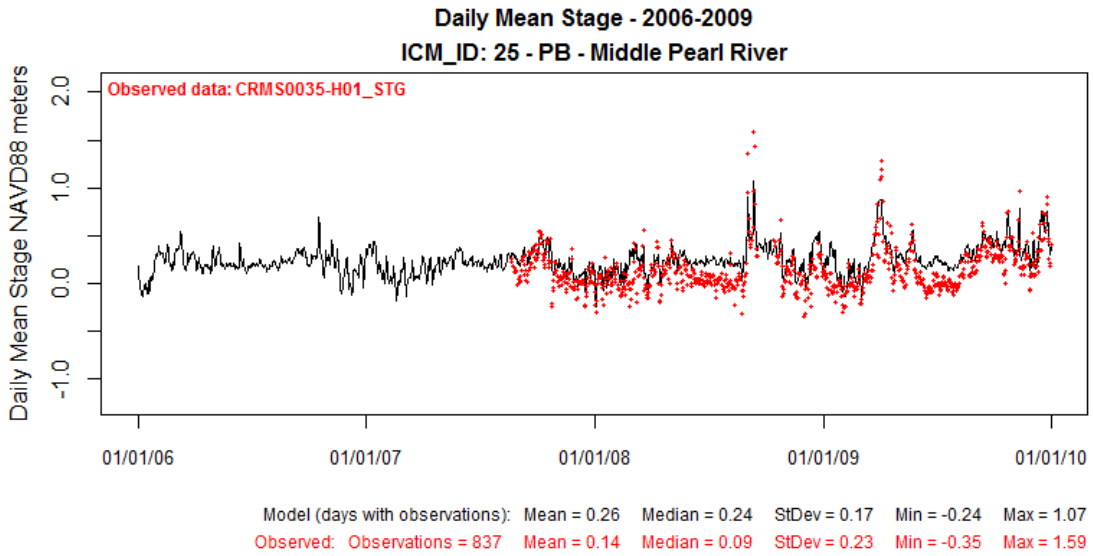


**Figure 8: Modeled Stage at ICM Compartment 25 (solid black line) Compared to Observed Data at CRMS0035-H01 for Validation Period 2006-2009.**

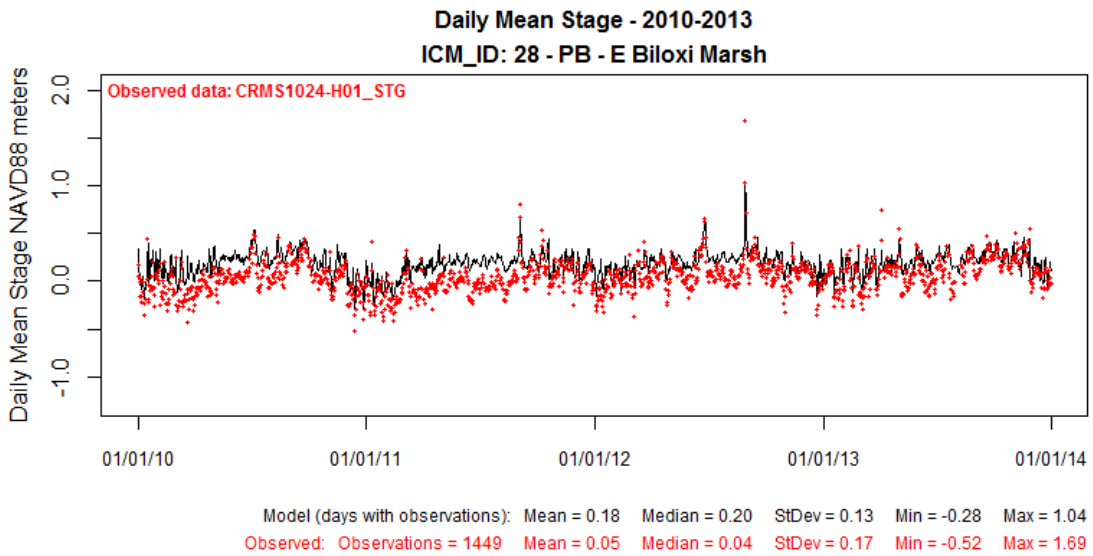


**Figure 9: Modeled Stage at ICM Compartment 28 (solid black line) Compared to Observed Data at CRMS1024-H01 for Calibration Period 2010-2013.**

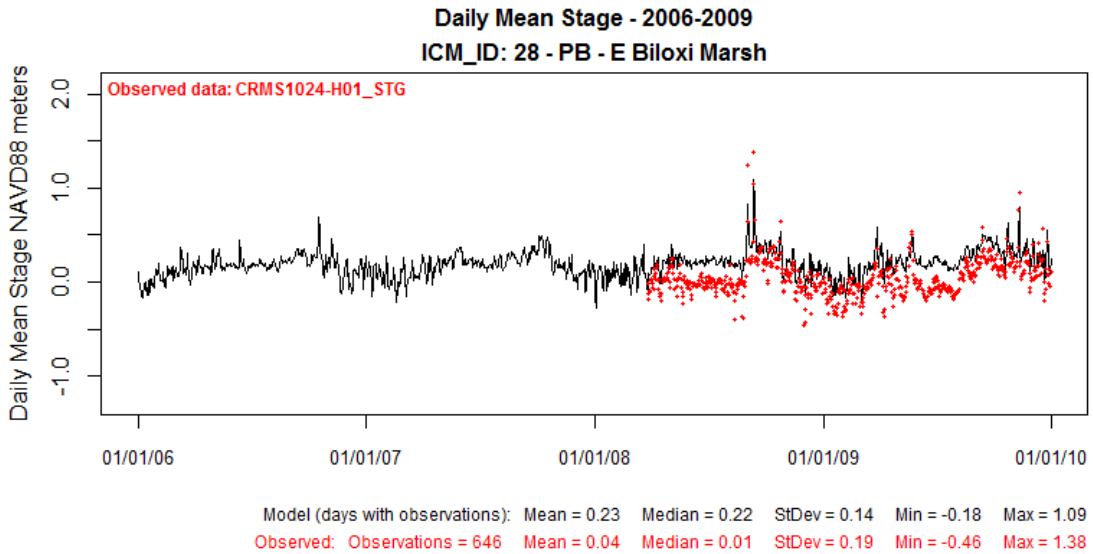


**Figure 10: Modeled Stage at ICM Compartment 28 (solid black line) Compared to Observed Data at CRMS1024-H01 for Validation Period 2006-2009.**

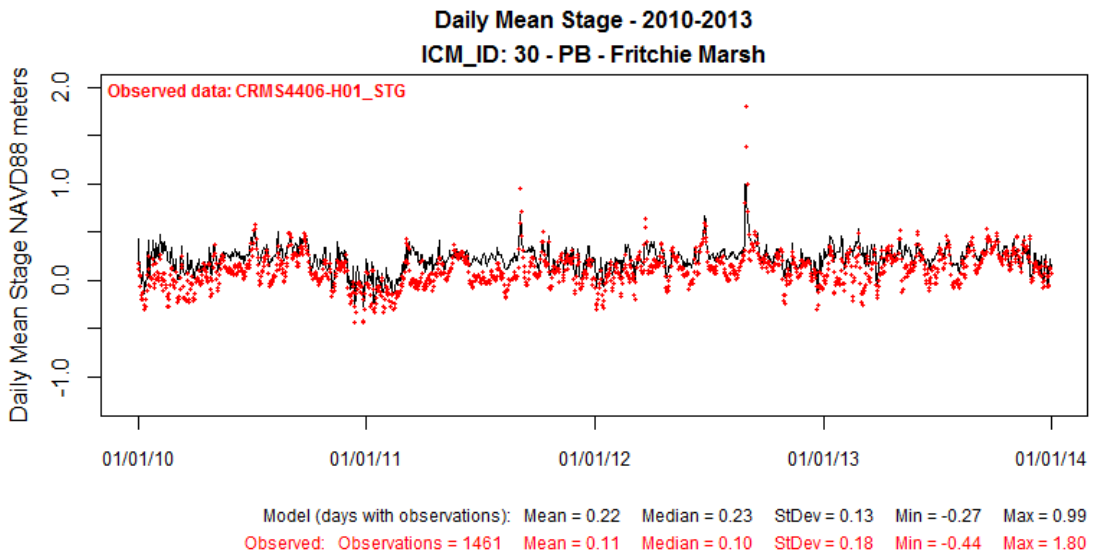


**Figure 11: Modeled Stage at ICM Compartment 30 (solid black line) Compared to Observed Data at CRMS4406-H01 for Calibration Period 2010-2013.**

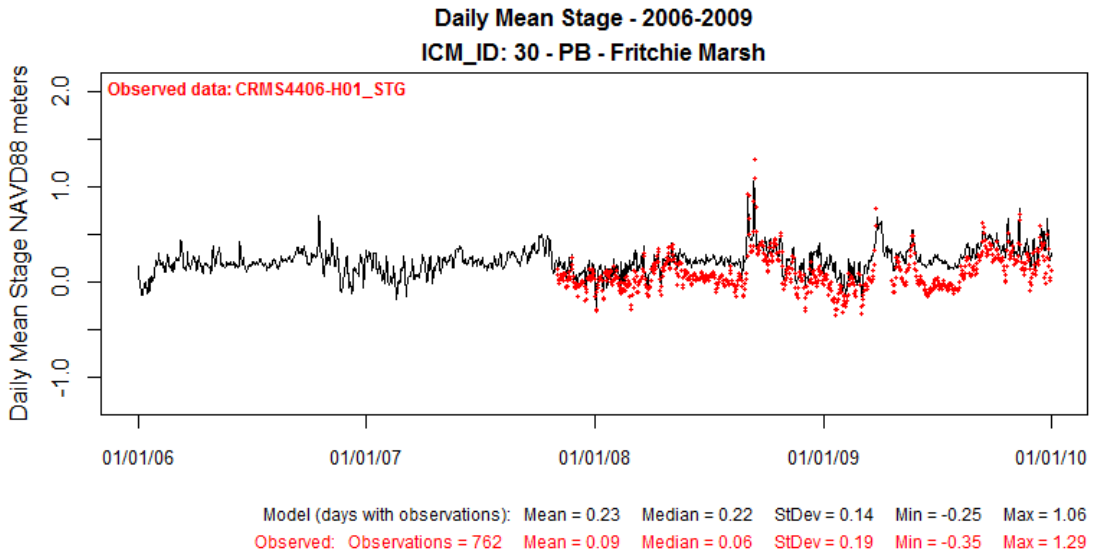


**Figure 12: Modeled Stage at ICM Compartment 30 (solid black line) Compared to Observed Data at CRMS4406-H01 for Validation Period 2006-2009.**

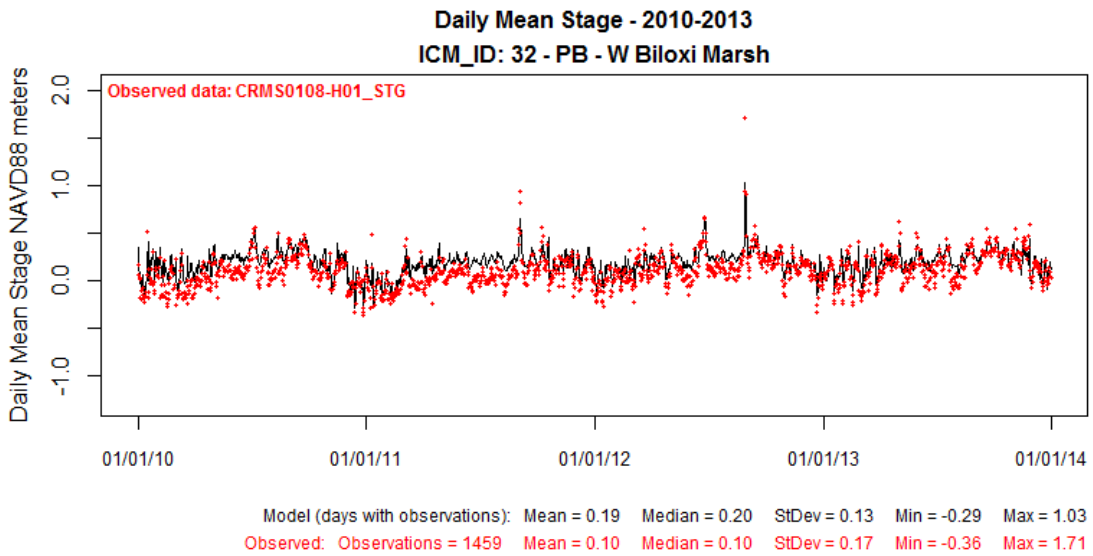


**Figure 13: Modeled Stage at ICM Compartment 32 (solid black line) Compared to Observed Data at CRMS0108-H01 for Calibration Period 2010-2013.**

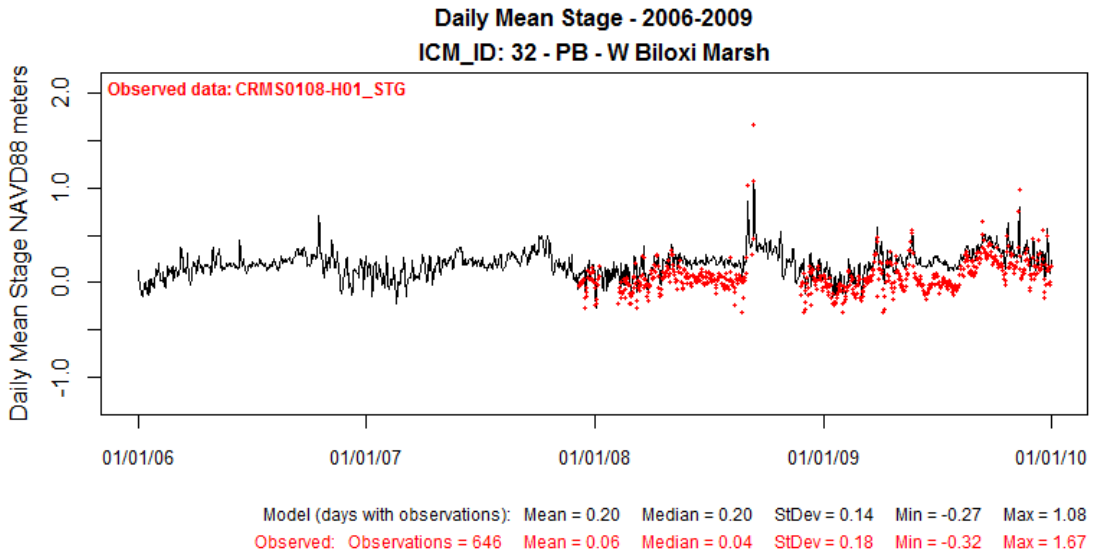


**Figure 14: Modeled Stage at ICM Compartment 32 (solid black line) Compared to Observed Data at CRMS0108-H01 for Validation Period 2006-2009.**

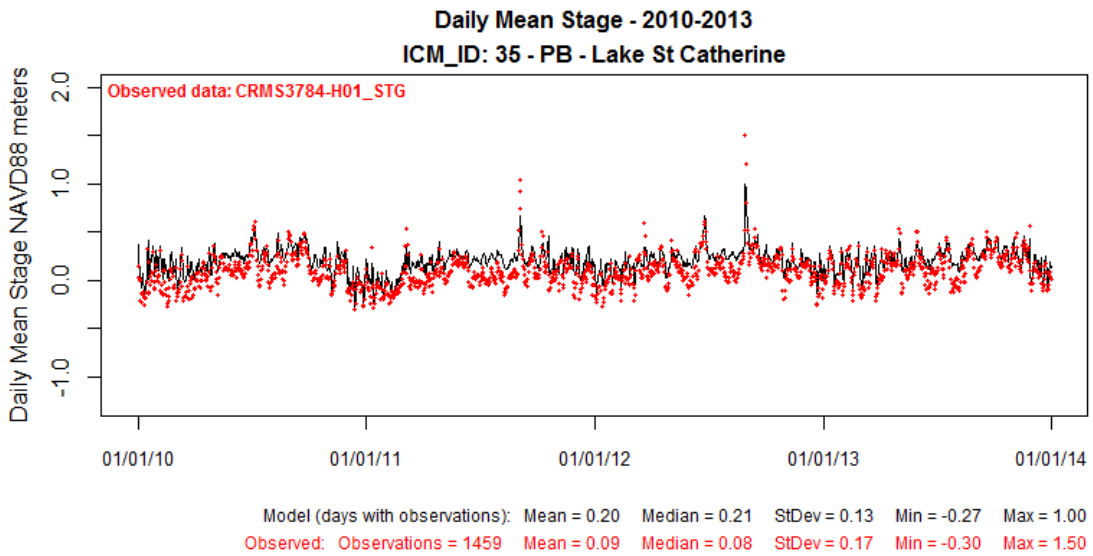


**Figure 15: Modeled Stage at ICM Compartment 35 (solid black line) Compared to Observed Data at CRMS3784-H01 for Calibration Period 2010-2013.**

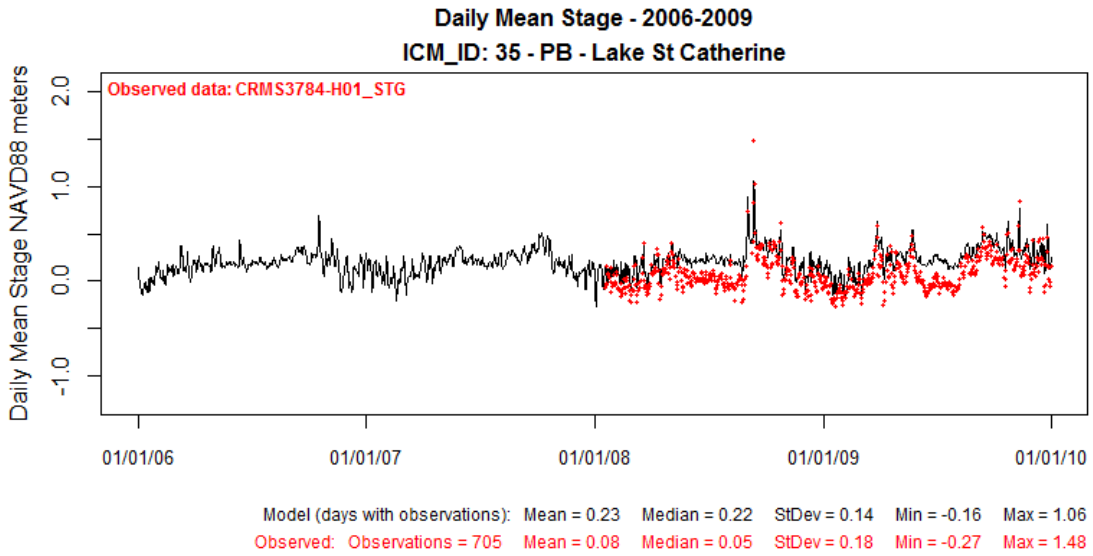


**Figure 16: Modeled Stage at ICM Compartment 35 (solid black line) Compared to Observed Data at CRMS3784-H01 for Validation Period 2006-2009.**

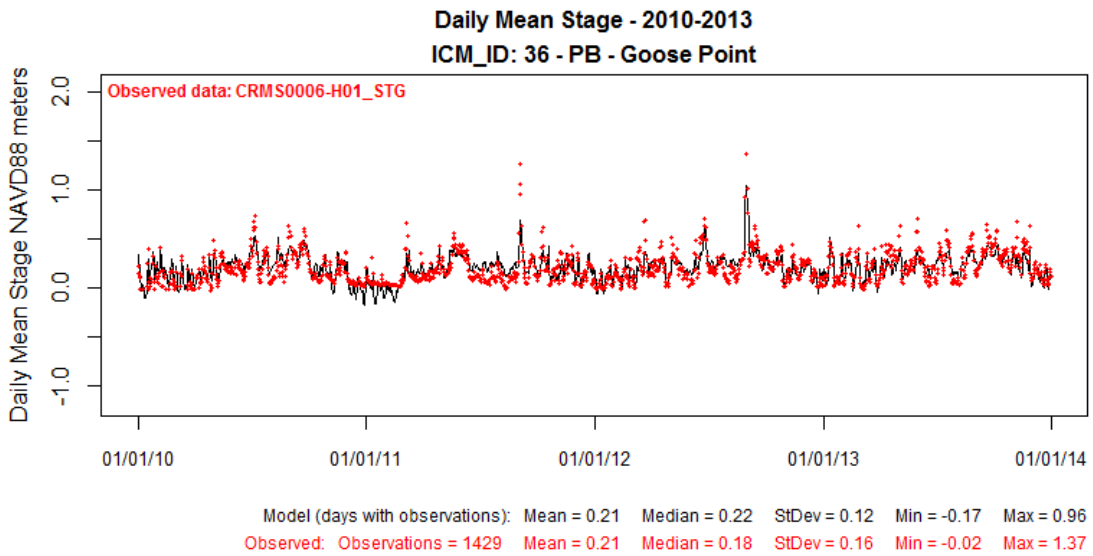


**Figure 17: Modeled Stage at ICM Compartment 36 (solid black line) Compared to Observed Data at CRMS0006-H01 for Calibration Period 2010-2013.**

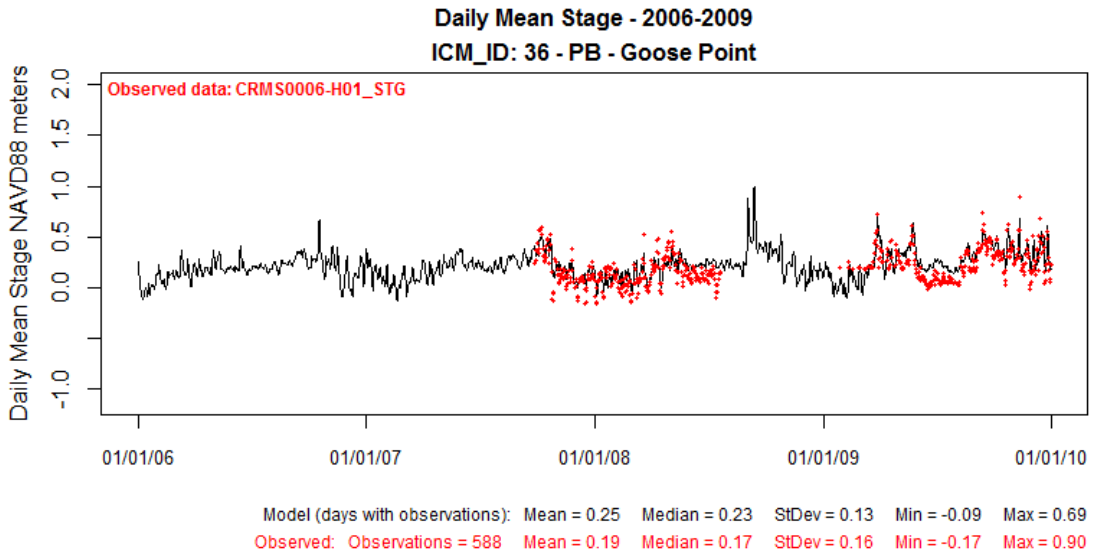


**Figure 18: Modeled Stage at ICM Compartment 36 (solid black line) Compared to Observed Data at CRMS0006-H01 for Validation Period 2006-2009.**

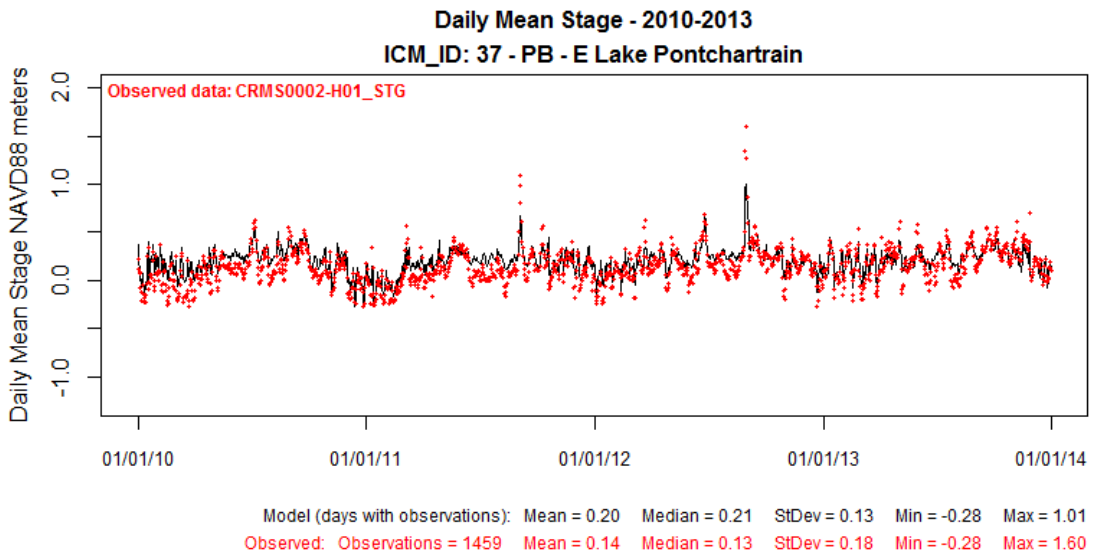


**Figure 19: Modeled Stage at ICM Compartment 37 (solid black line) Compared to Observed Data at CRMS0002-H01 for Calibration Period 2010-2013.**

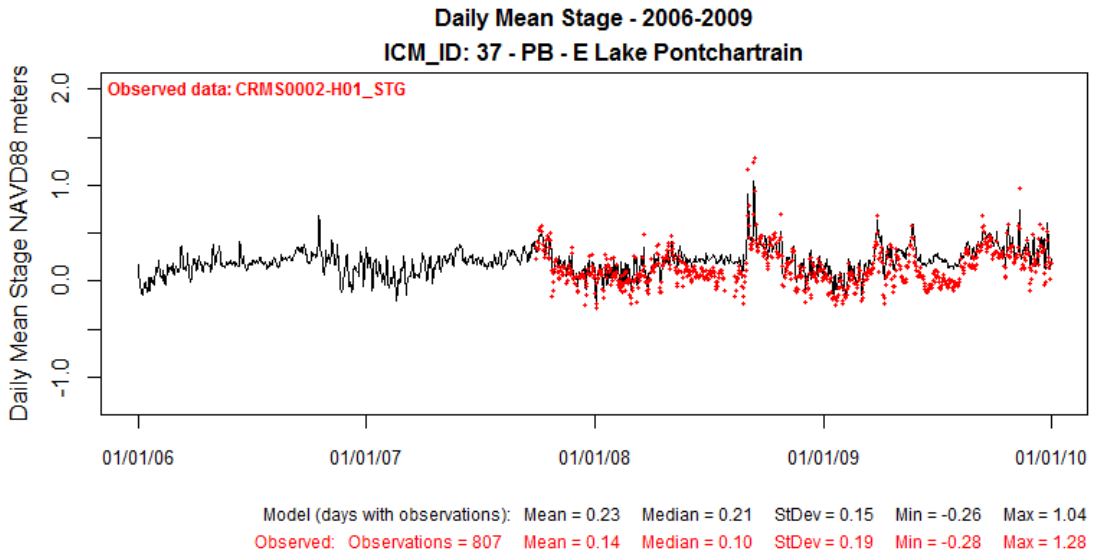


**Figure 20: Modeled Stage at ICM Compartment 37 (solid black line) Compared to Observed Data at CRMS0002-H01 for Validation Period 2006-2009.**

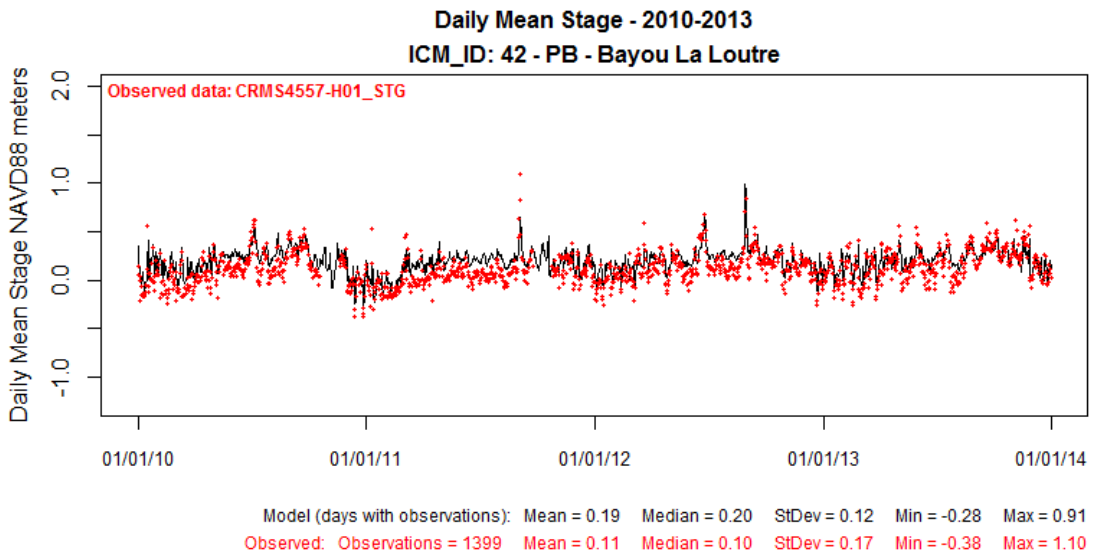


**Figure 21: Modeled Stage at ICM Compartment 42 (solid black line) Compared to Observed Data at CRMS4557-H01 for Calibration Period 2010-2013.**

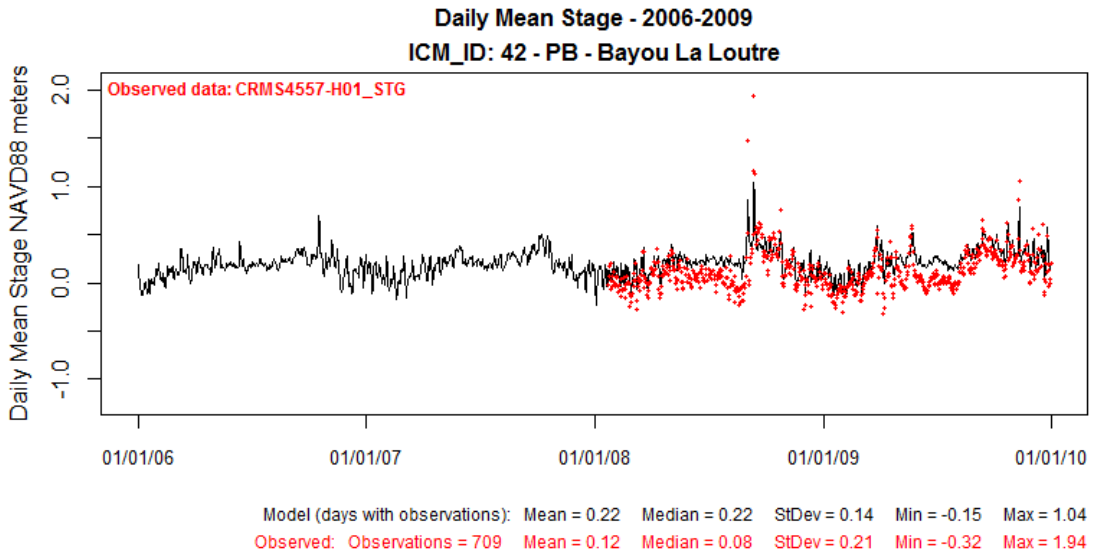


**Figure 22: Modeled Stage at ICM Compartment 42 (solid black line) Compared to Observed Data at CRMS4557-H01 for Validation Period 2006-2009.**

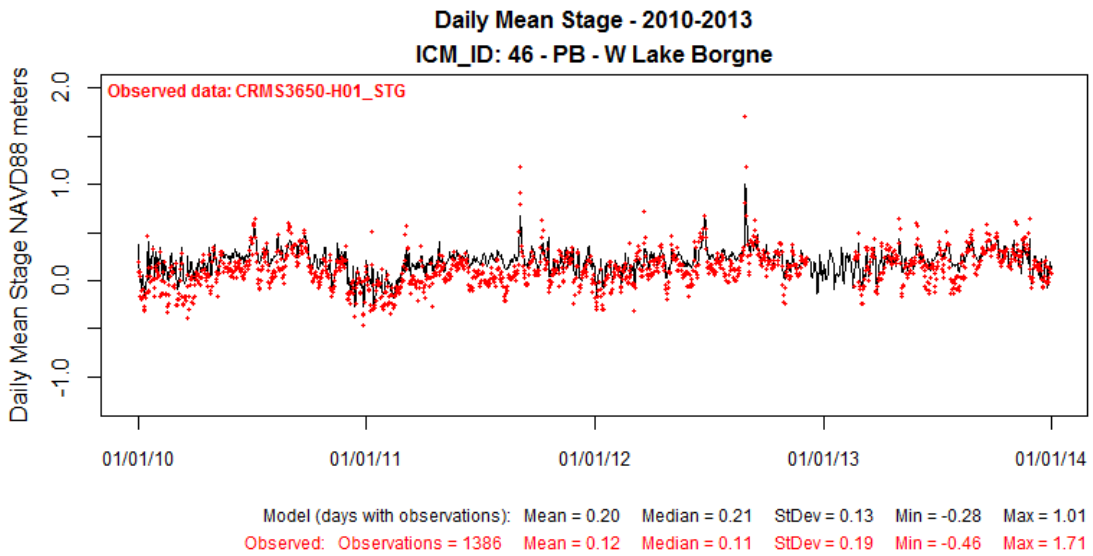


**Figure 23: Modeled Stage at ICM Compartment 46 (solid black line) Compared to Observed Data at CRMS3650-H01 for Calibration Period 2010-2013.**

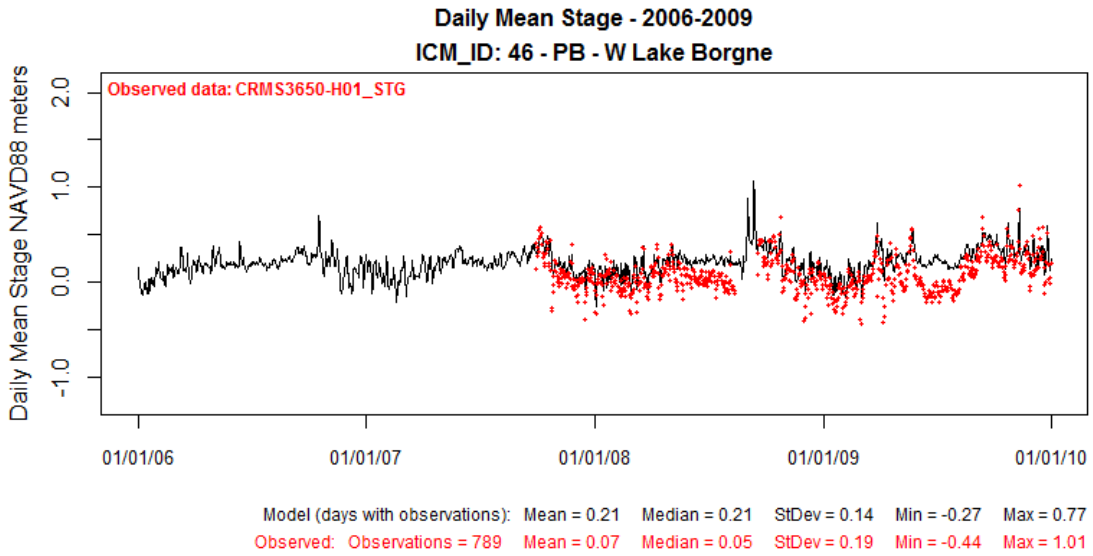


**Figure 24: Modeled Stage at ICM Compartment 46 (solid black line) Compared to Observed Data at CRMS3650-H01 for Validation Period 2006-2009.**

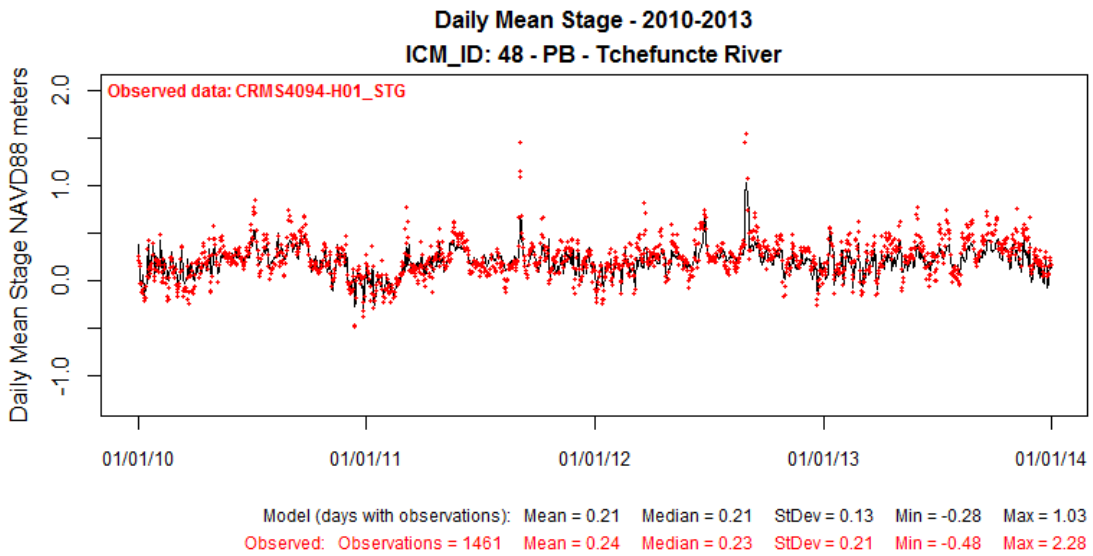


**Figure 25: Modeled Stage at ICM Compartment 48 (solid black line) Compared to Observed Data at CRMS4094-H01 for Calibration Period 2010-2013.**

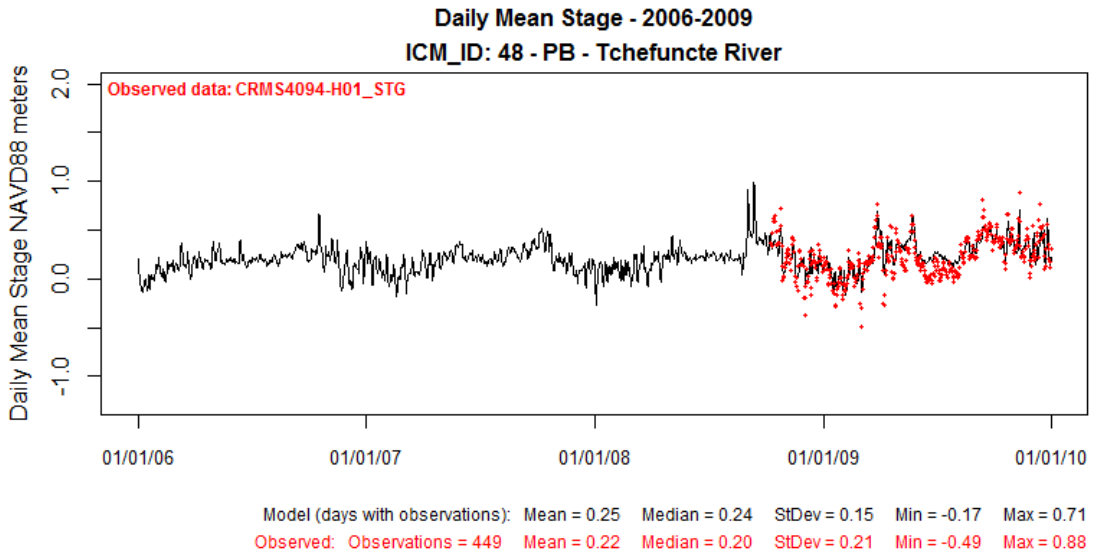


**Figure 26: Modeled Stage at ICM Compartment 48 (solid black line) Compared to Observed Data at CRMS4094-H01 for Validation Period 2006-2009.**

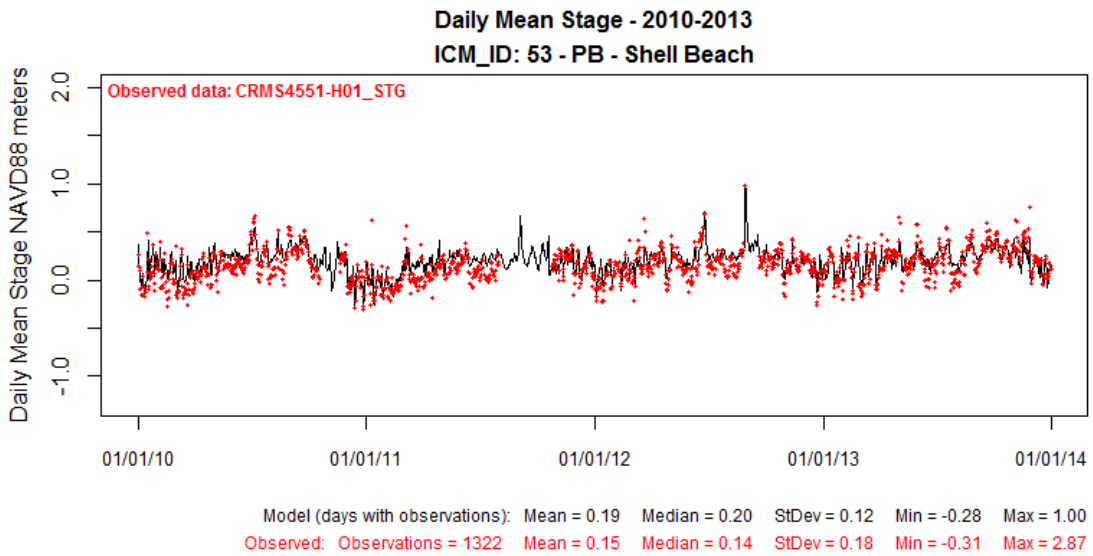


**Figure 27: Modeled Stage at ICM Compartment 53 (solid black line) Compared to Observed Data at CRMS4551-H01 for Calibration Period 2010-2013.**

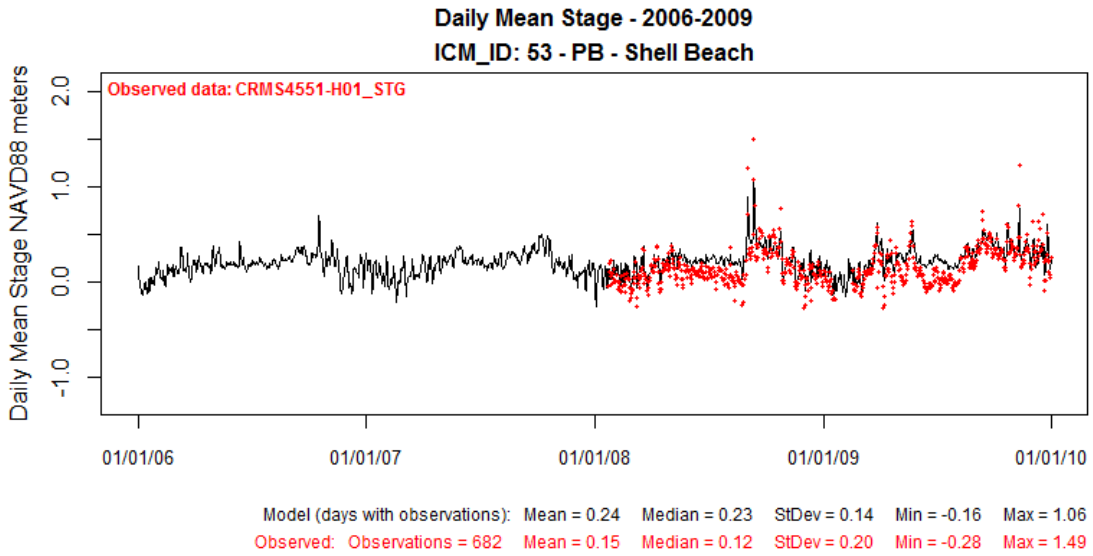


**Figure 28: Modeled Stage at ICM Compartment 53 (solid black line) Compared to Observed Data at CRMS4551-H01 for Validation Period 2006-2009.**

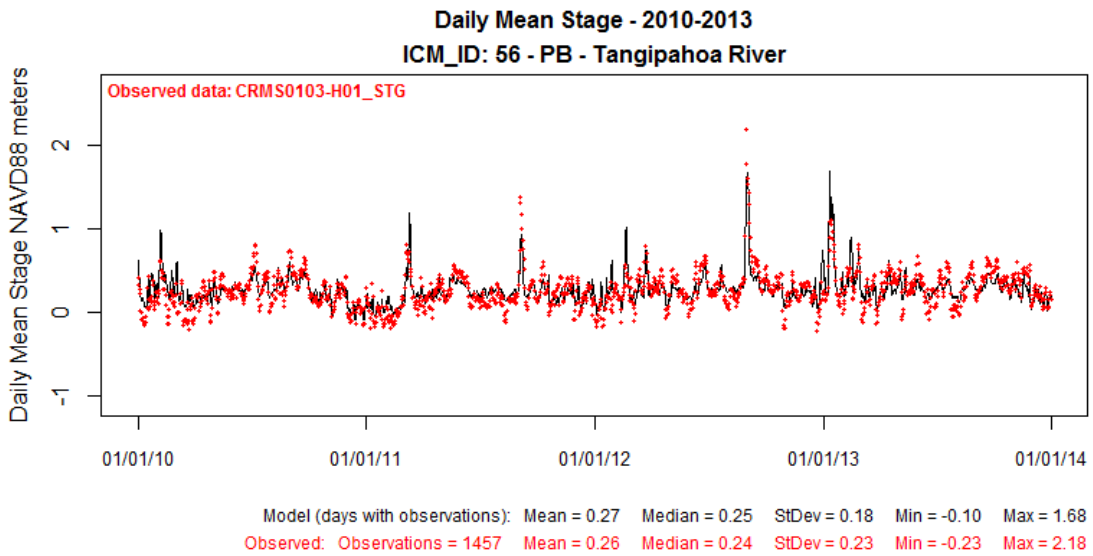


**Figure 29: Modeled Stage at ICM Compartment 56 (solid black line) Compared to Observed Data at CRMS0103-H01 for Calibration Period 2010-2013.**

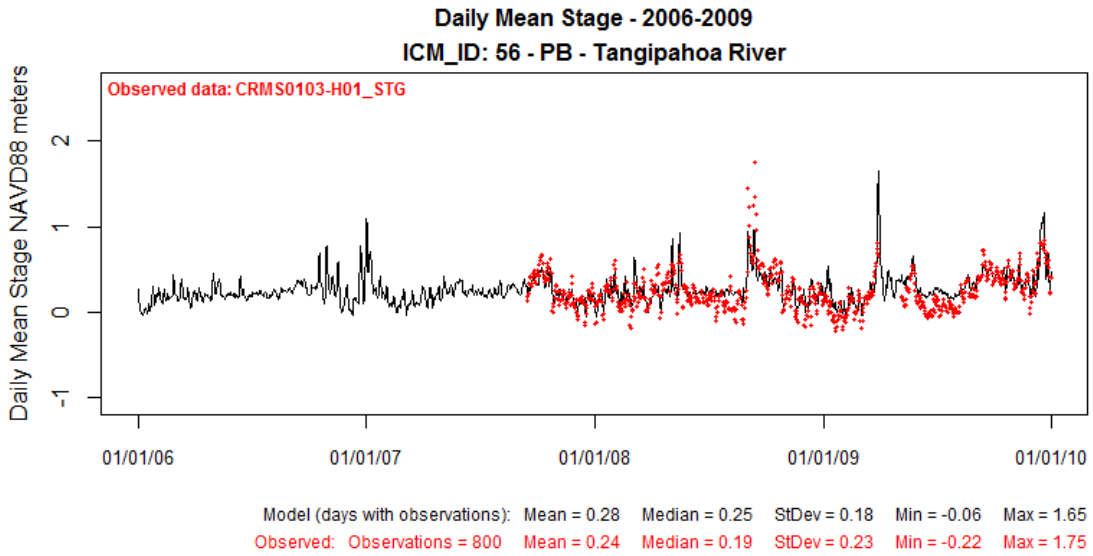


**Figure 30: Modeled Stage at ICM Compartment 56 (solid black line) Compared to Observed Data at CRMS0103-H01 for Validation Period 2006-2009.**

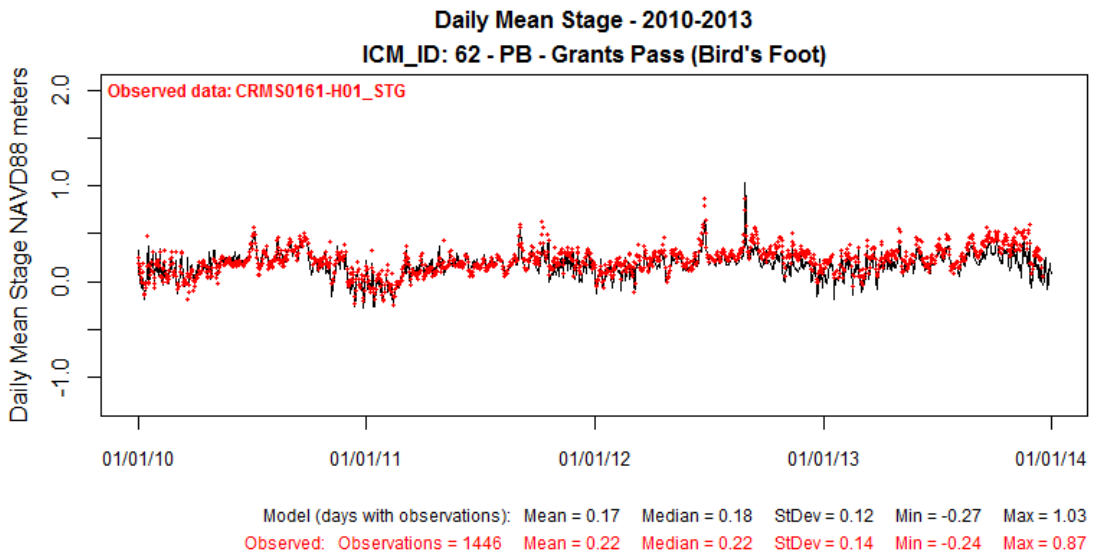


**Figure 31: Modeled Stage at ICM Compartment 62 (solid black line) Compared to Observed Data at CRMS0161-H01 for Calibration Period 2010-2013.**

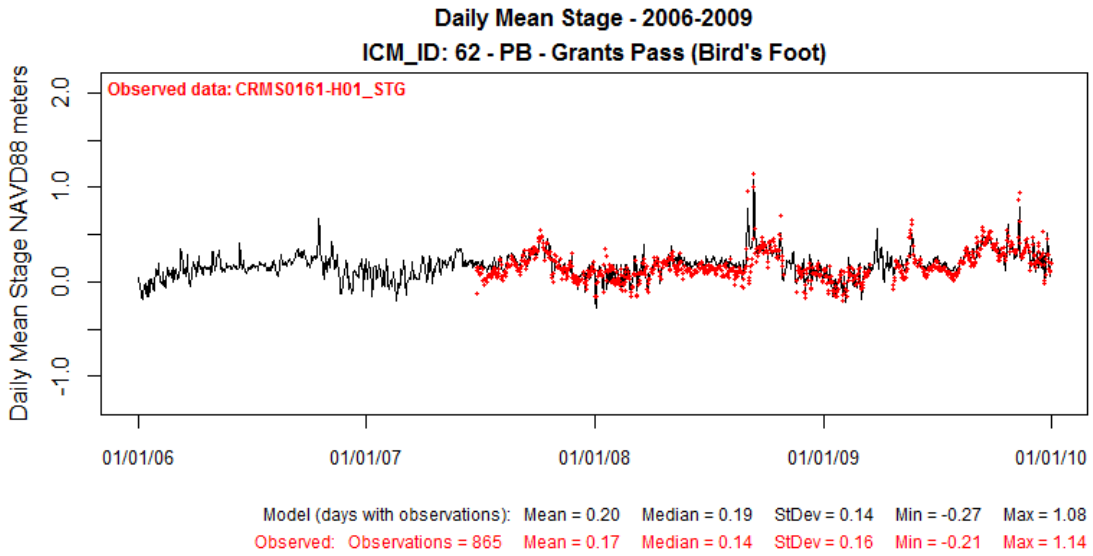


**Figure 32: Modeled Stage at ICM Compartment 62 (solid black line) Compared to Observed Data at CRMS0161-H01 for Validation Period 2006-2009.**

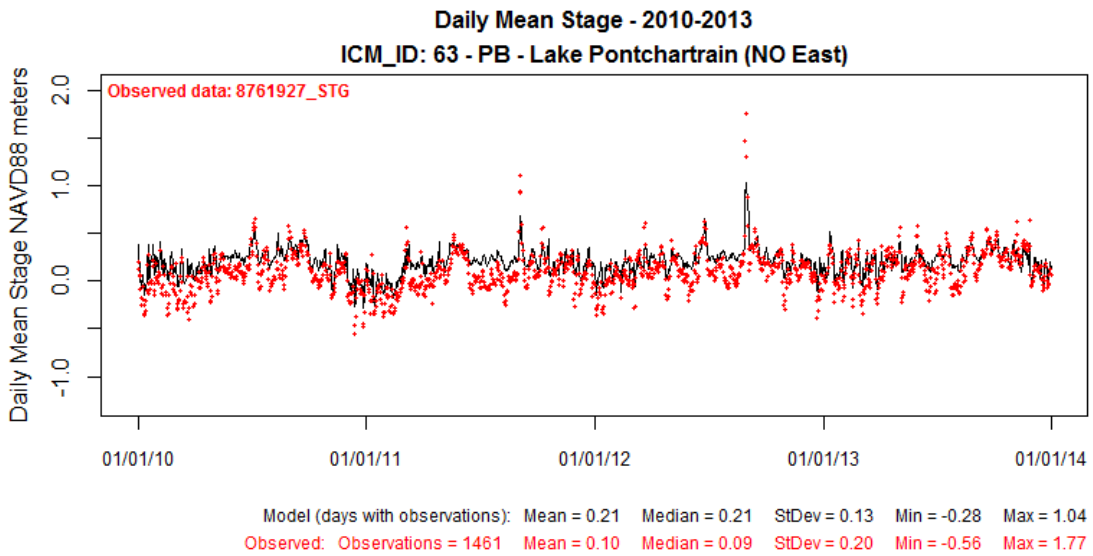


**Figure 33: Modeled Stage at ICM Compartment 63 (solid black line) Compared to Observed Data at USGS8761927 for Calibration Period 2010-2013.**

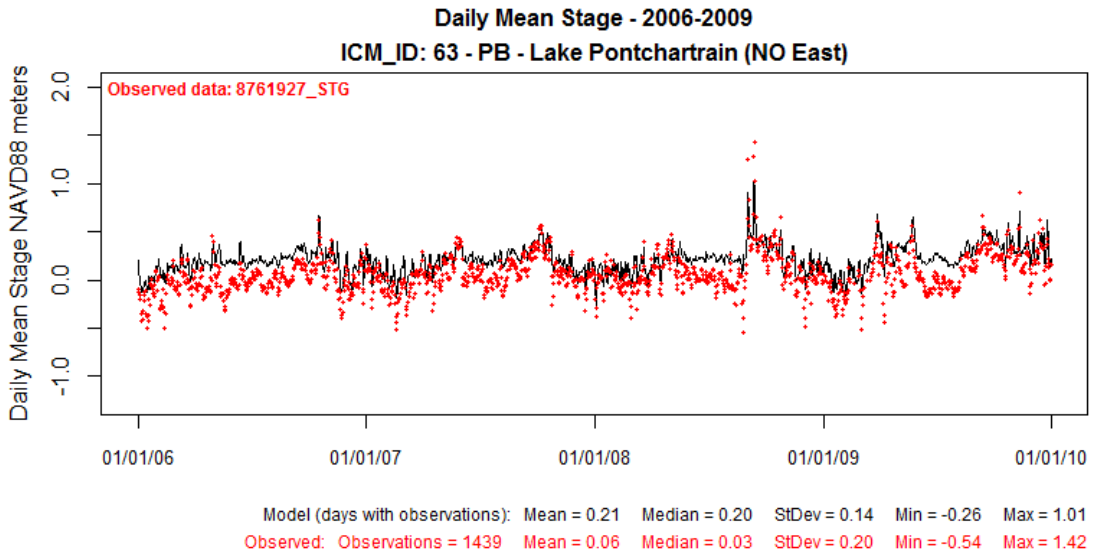


**Figure 34: Modeled Stage at ICM Compartment 63 (solid black line) Compared to Observed Data at USGS8761927 for Validation Period 2006-2009.**

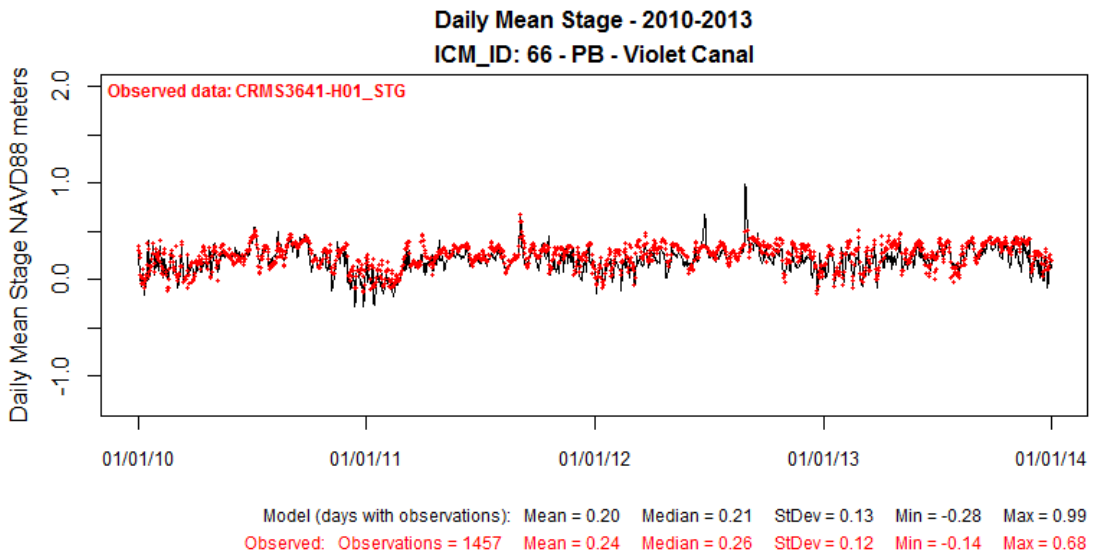


**Figure 35: Modeled Stage at ICM Compartment 66 (solid black line) Compared to Observed Data at CRMS3641-H01 for Calibration Period 2010-2013.**

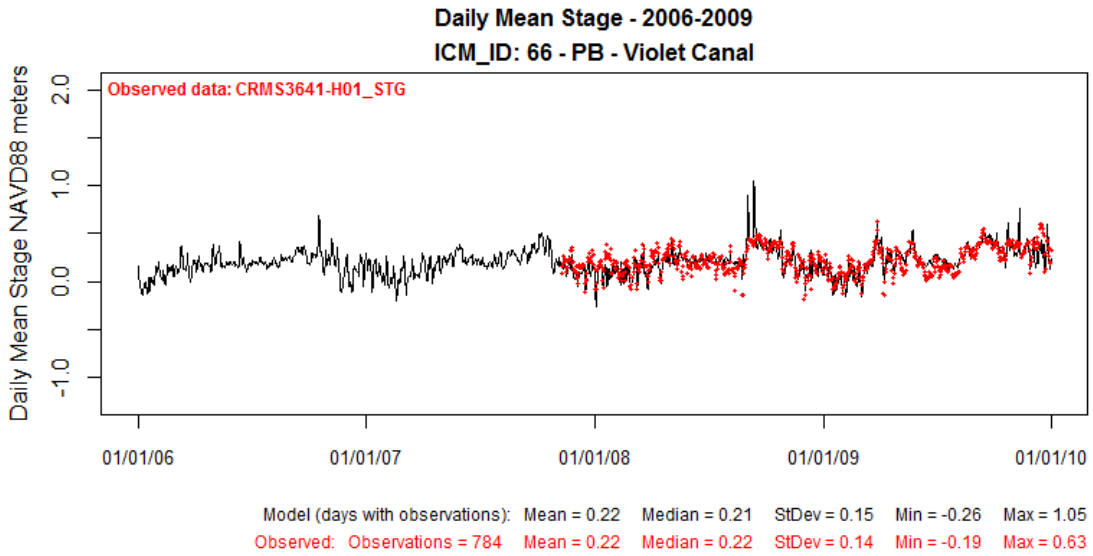


**Figure 36: Modeled Stage at ICM Compartment 66 (solid black line) Compared to Observed Data at CRMS3641-H01 for Validation Period 2006-2009.**

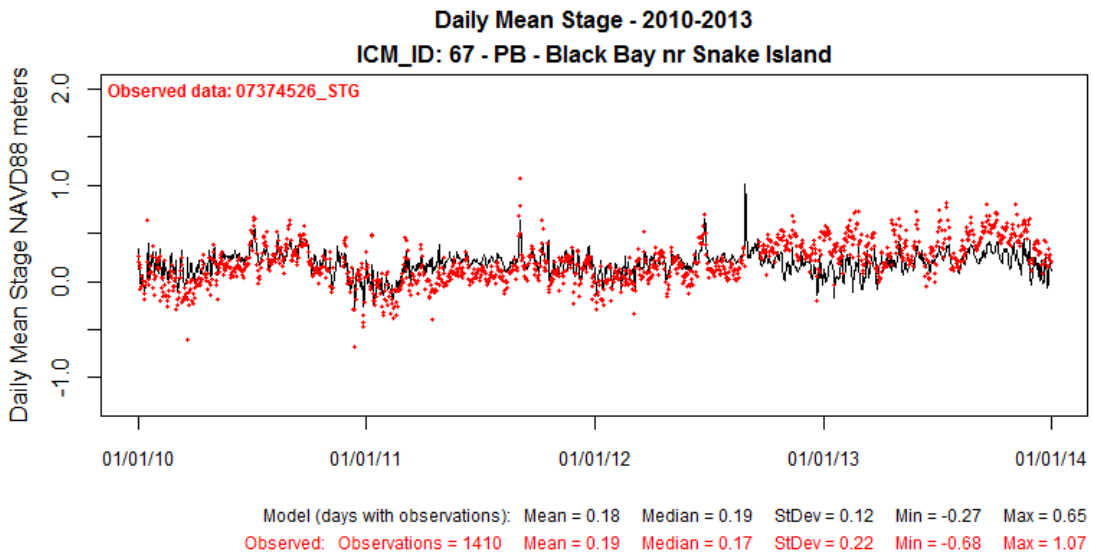


**Figure 37: Modeled Stage at ICM Compartment 67 (solid black line) Compared to Observed Data at USGS07374526 for Calibration Period 2010-2013.**

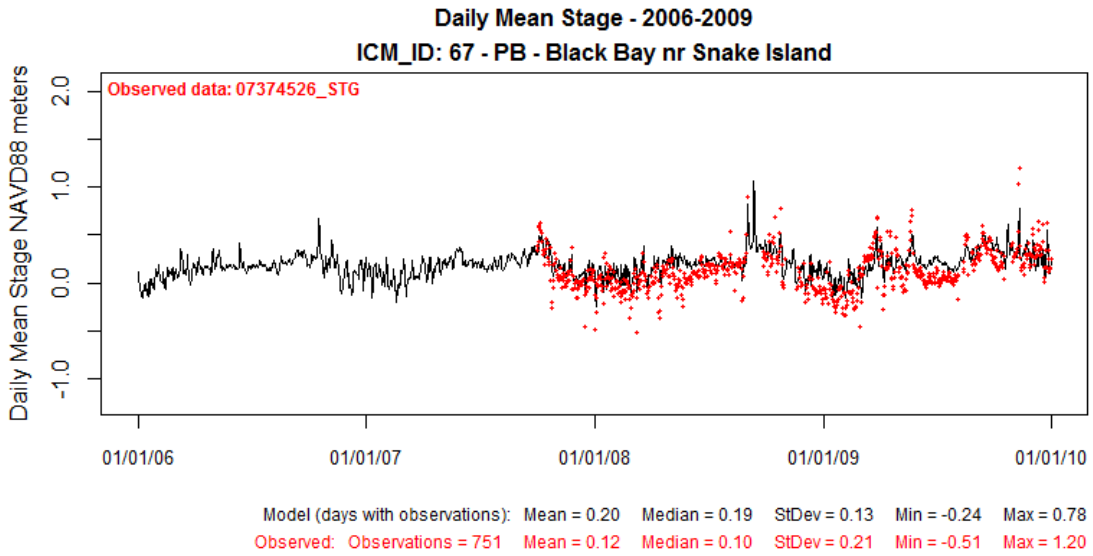


**Figure 38: Modeled Stage at ICM Compartment 67 (solid black line) Compared to Observed Data at USGS07374526 for Validation Period 2006-2009.**

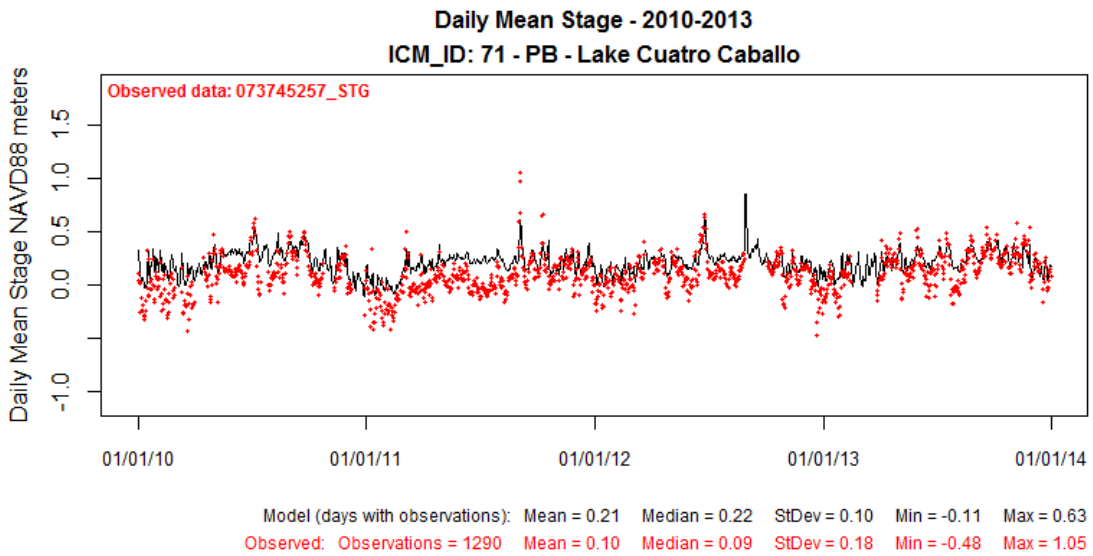


**Figure 39: Modeled Stage at ICM Compartment 71 (solid black line) Compared to Observed Data at USGS073745257 for Calibration Period 2010-2013.**

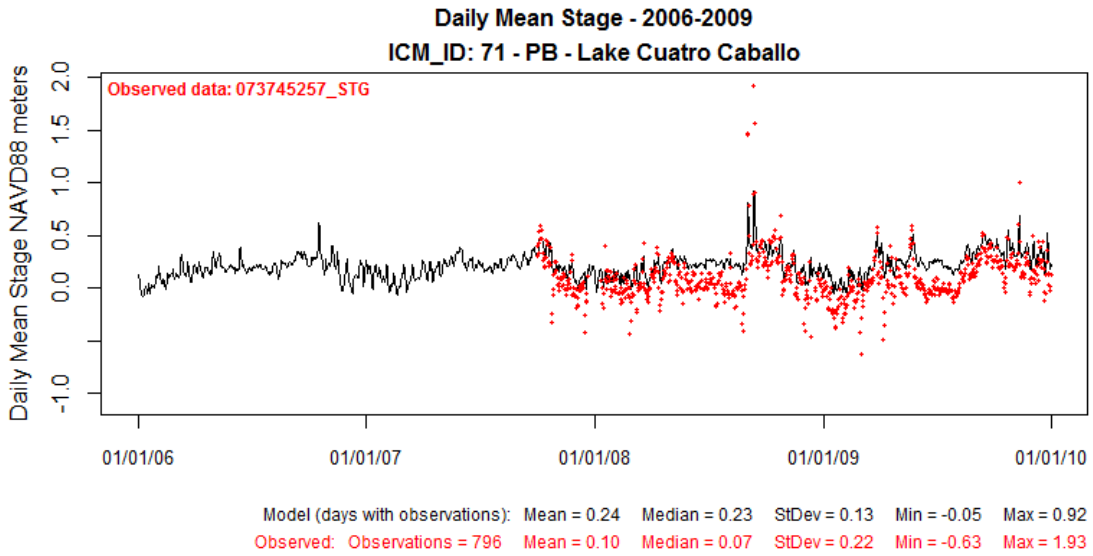


**Figure 40: Modeled Stage at ICM Compartment 71 (solid black line) Compared to Observed Data at USGS073745257 for Validation Period 2006-2009.**

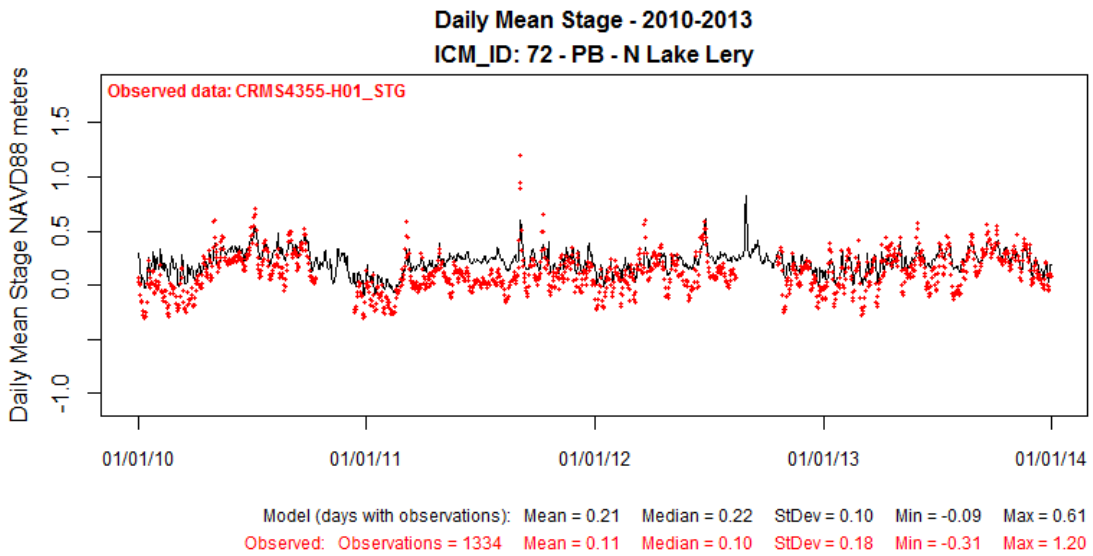


**Figure 41: Modeled Stage at ICM Compartment 72 (solid black line) Compared to Observed Data at CRMS4355-H01 for Calibration Period 2010-2013.**

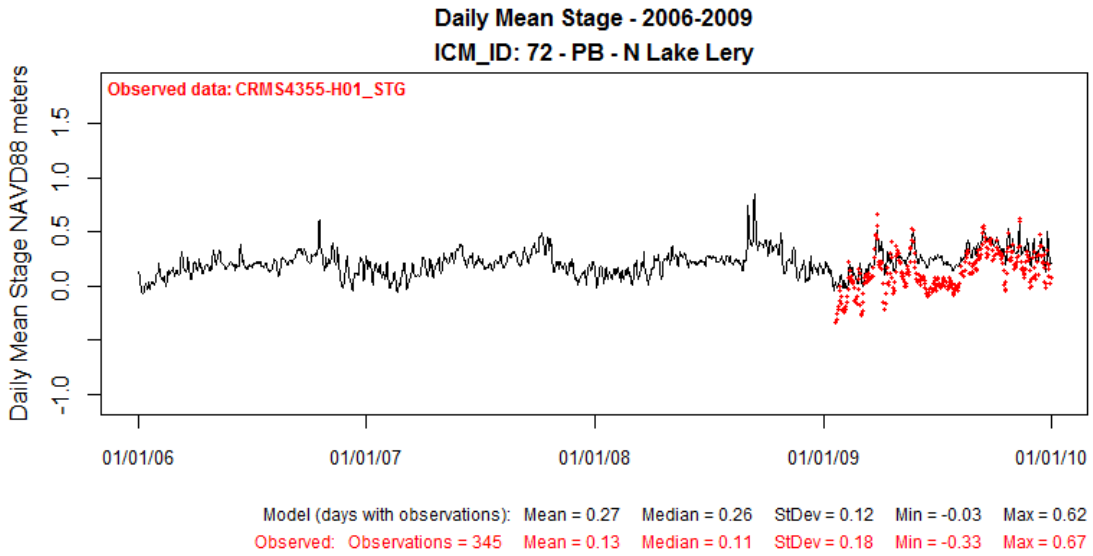


**Figure 42: Modeled Stage at ICM Compartment 72 (solid black line) Compared to Observed Data at CRMS4355-H01 for Validation Period 2006-2009.**

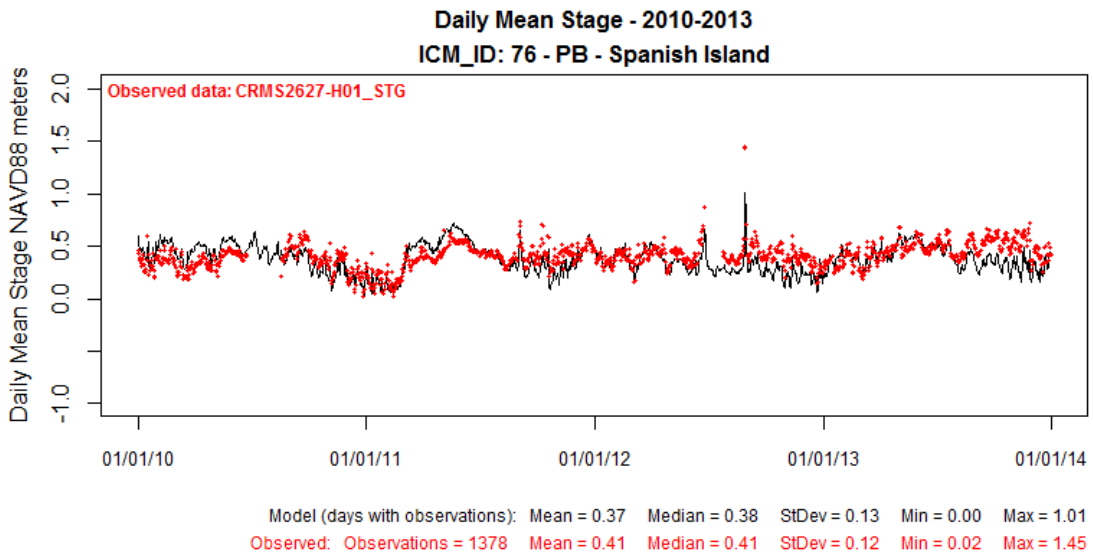


**Figure 43: Modeled Stage at ICM Compartment 76 (solid black line) Compared to Observed Data at CRMS2627-H01 for Calibration Period 2010-2013.**

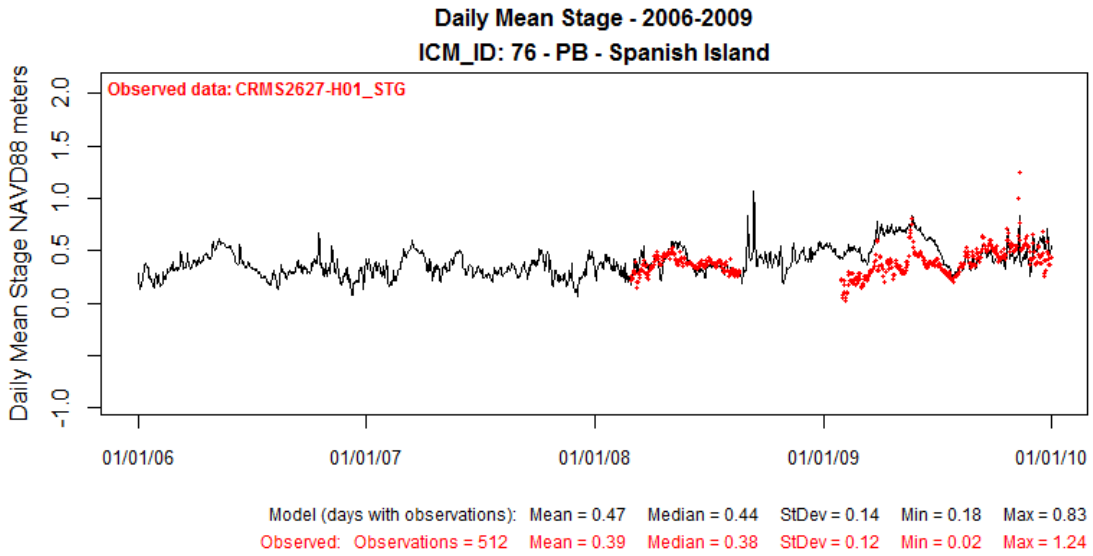


**Figure 44: Modeled Stage at ICM Compartment 76 (solid black line) Compared to Observed Data at CRMS2627-H01 for Validation Period 2006-2009.**

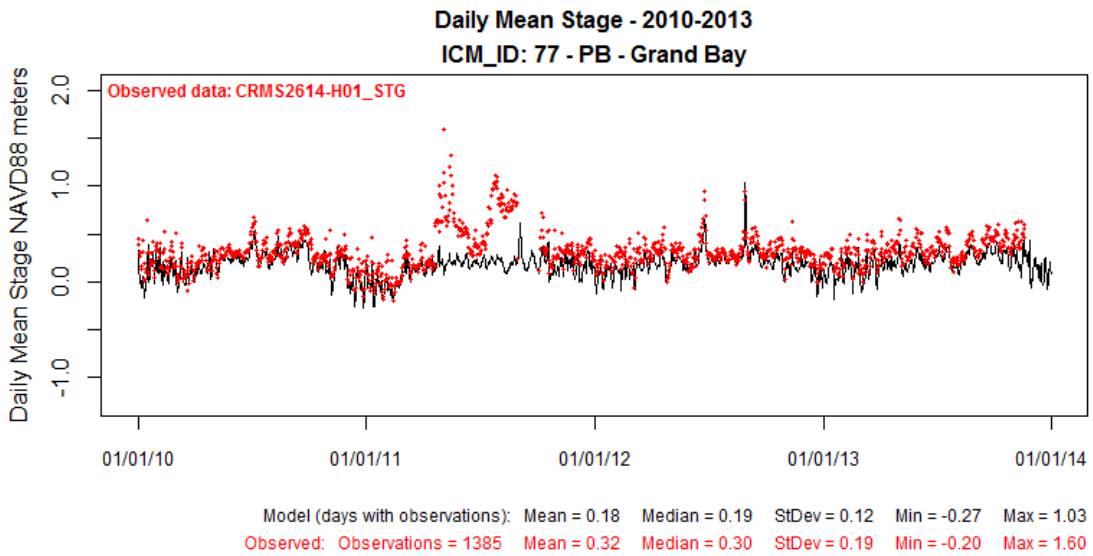


**Figure 45: Modeled Stage at ICM Compartment 77 (solid black line) Compared to Observed Data at CRMS2614-H01 for Calibration Period 2010-2013.**

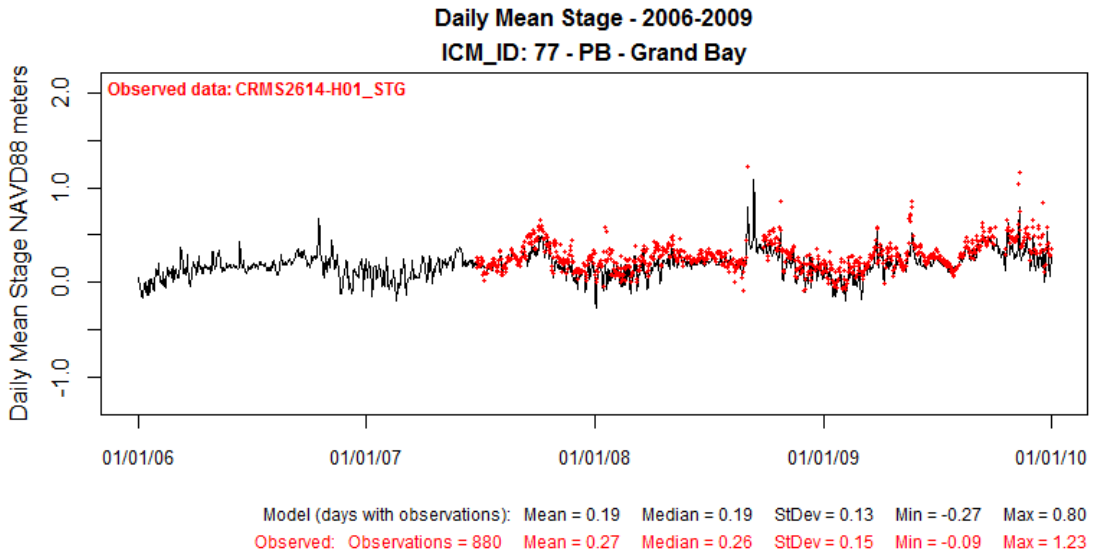


**Figure 46: Modeled Stage at ICM Compartment 77 (solid black line) Compared to Observed Data at CRMS2614-H01 for Validation Period 2006-2009.**

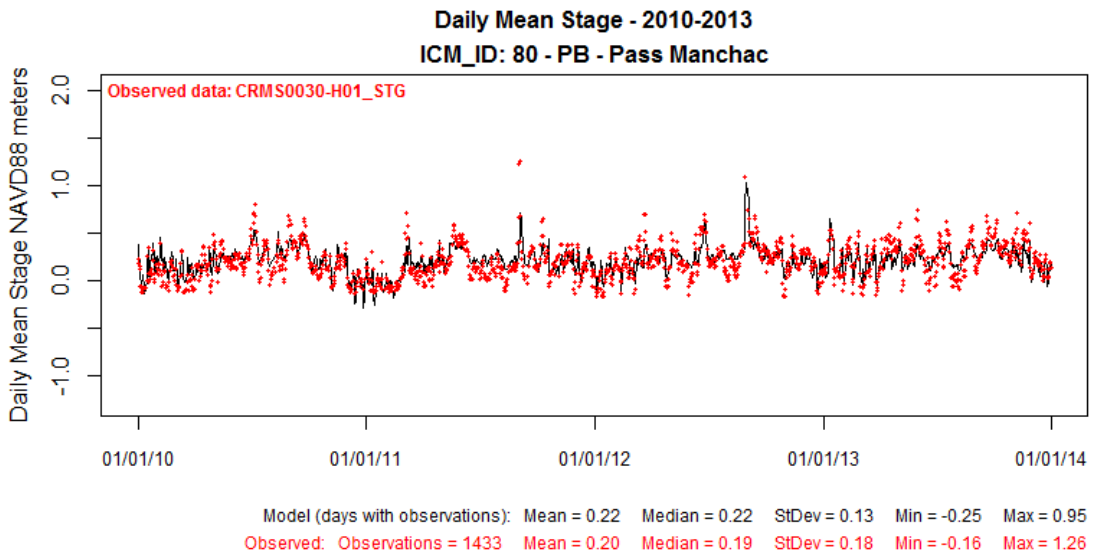


**Figure 47: Modeled Stage at ICM Compartment 80 (solid black line) Compared to Observed Data at CRMS0030-H01 for Calibration Period 2010-2013.**

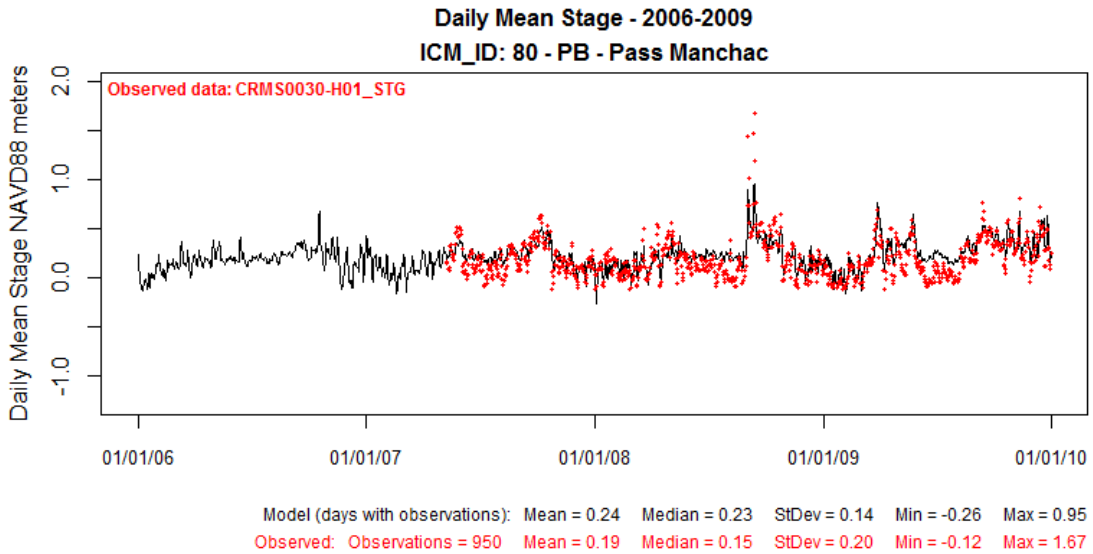


**Figure 48: Modeled Stage at ICM Compartment 80 (solid black line) Compared to Observed Data at CRMS0030-H01 for Validation Period 2006-2009.**

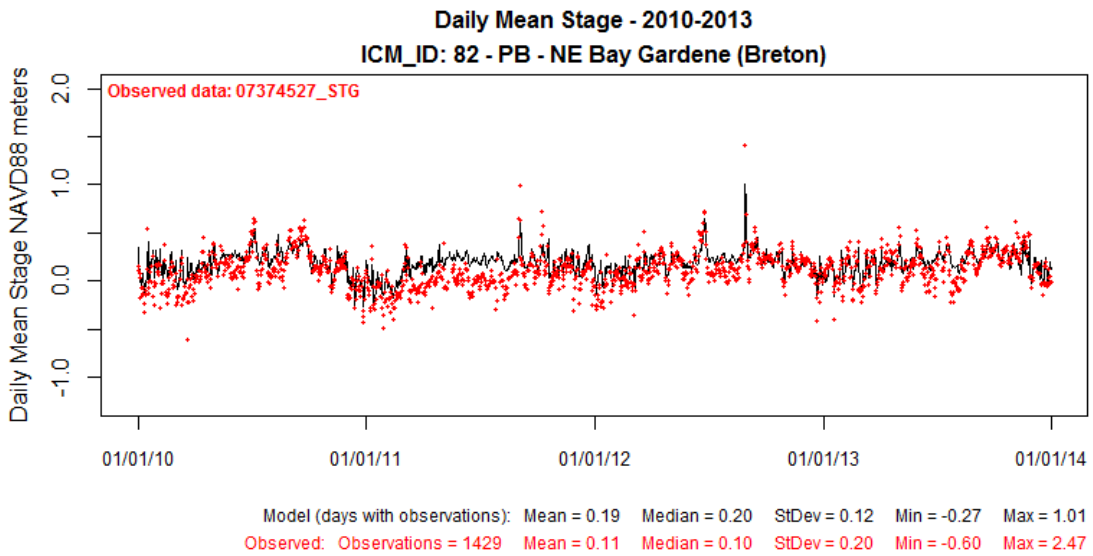


**Figure 49: Modeled Stage at ICM Compartment 82 (solid black line) Compared to Observed Data at USGS07374527 for Calibration Period 2010-2013.**

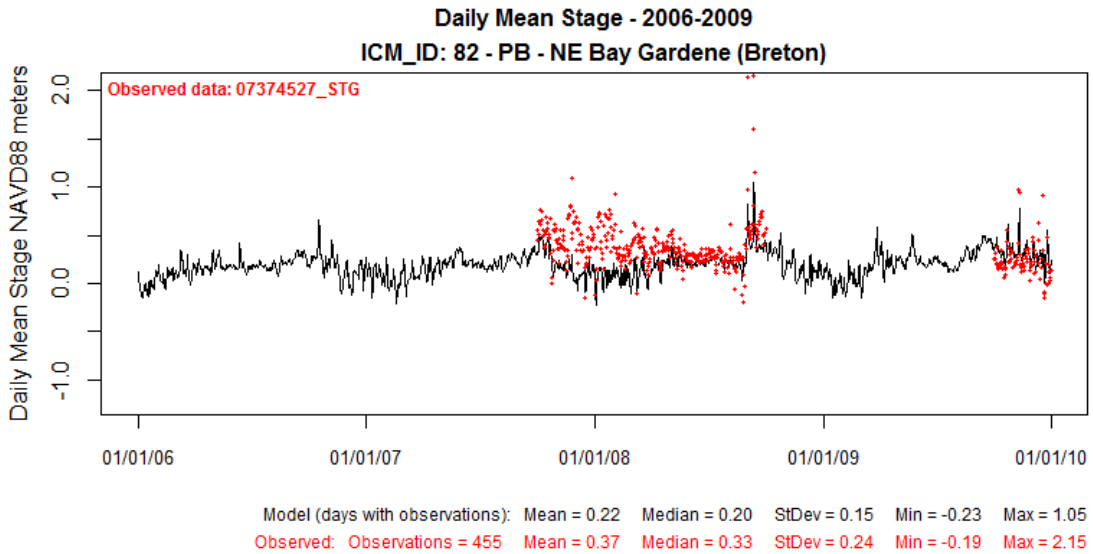


**Figure 50: Modeled Stage at ICM Compartment 82 (solid black line) Compared to Observed Data at USGS07374527 for Validation Period 2006-2009.**

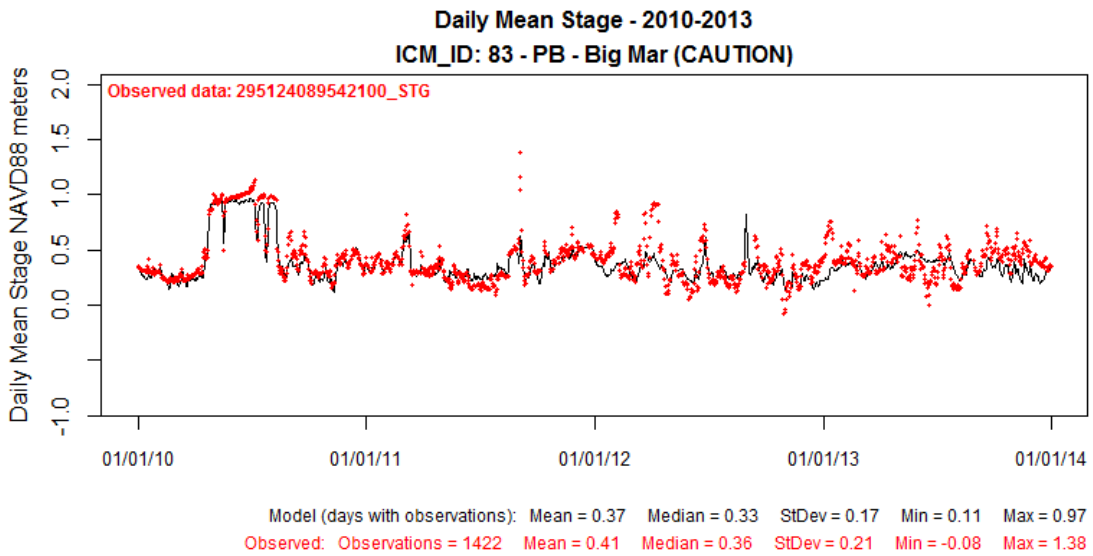


**Figure 51: Modeled Stage at ICM Compartment 83 (solid black line) Compared to Observed Data at USGS295124089542100 for Calibration Period 2010-2013.**

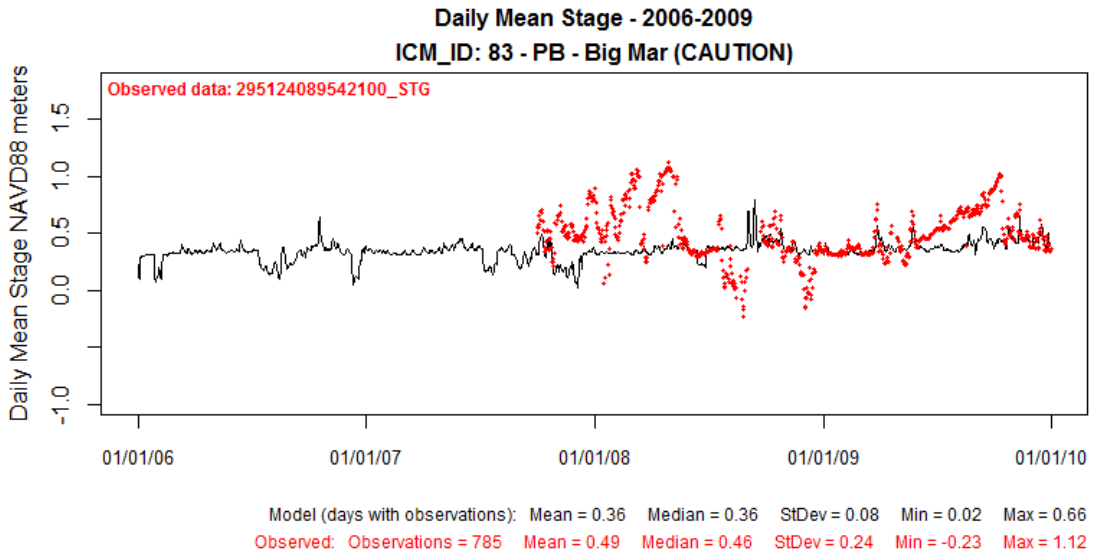


**Figure 52: Modeled Stage at ICM Compartment 83 (solid black line) Compared to Observed Data at USGS295124089542100 for Validation Period 2006-2009.**

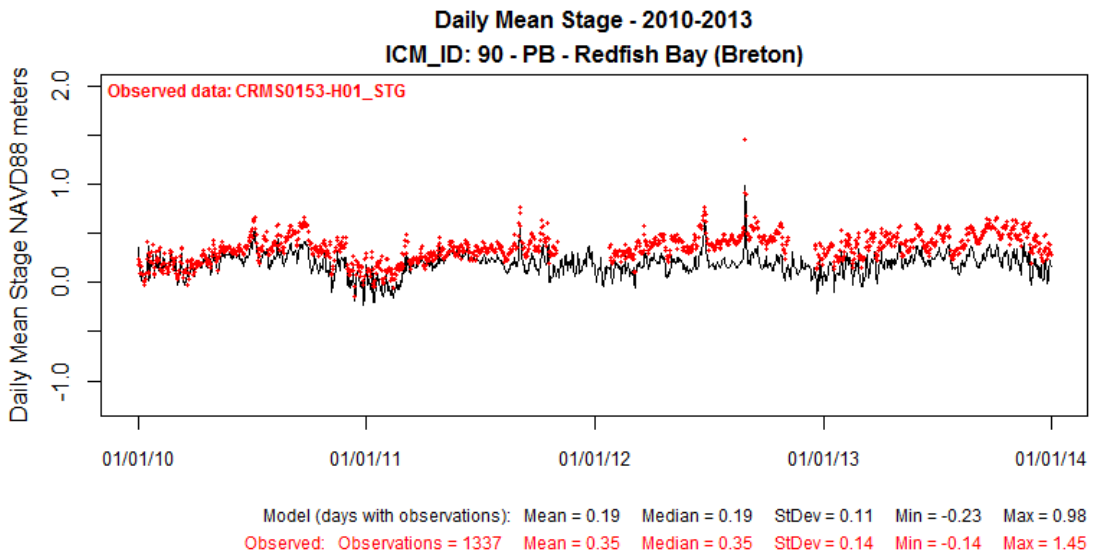


**Figure 53: Modeled Stage at ICM Compartment 90 (solid black line) Compared to Observed Data at CRMS0153-H01 for Calibration Period 2010-2013.**

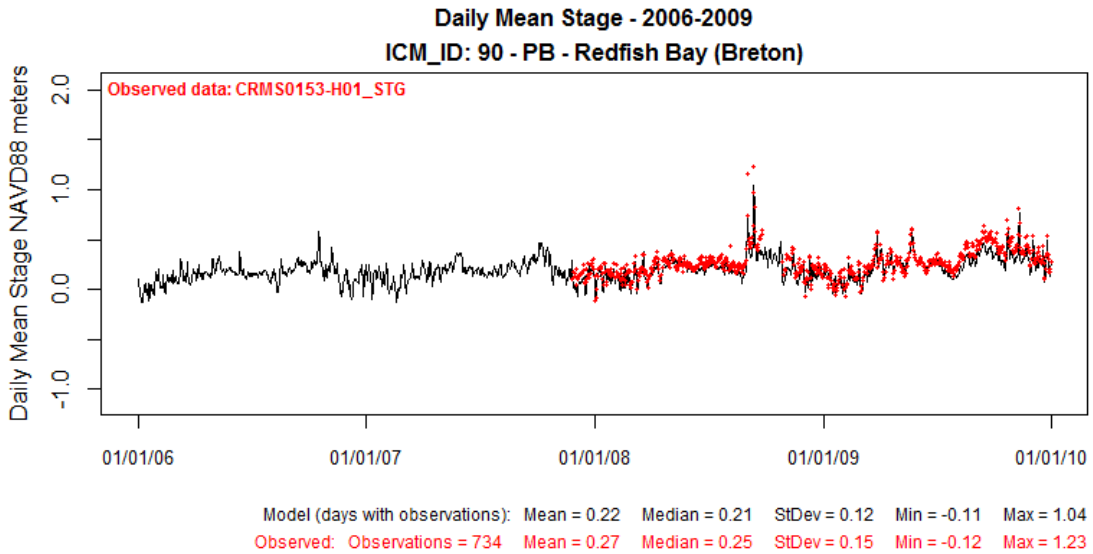


**Figure 54: Modeled Stage at ICM Compartment 90 (solid black line) Compared to Observed Data at CRMS0153-H01 for Validation Period 2006-2009.**

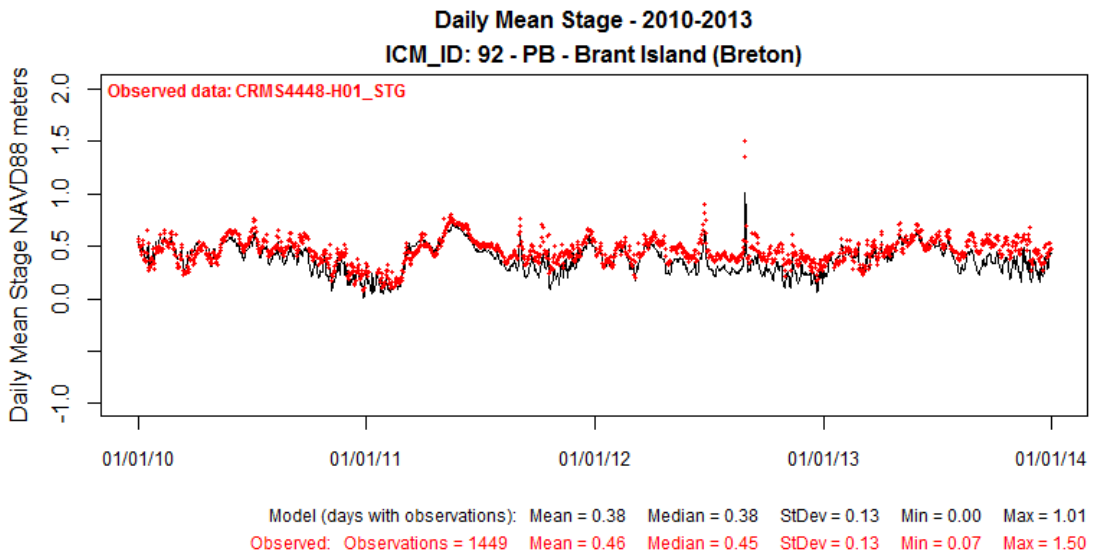


**Figure 55: Modeled Stage at ICM Compartment 92 (solid black line) Compared to Observed Data at CRMS4448-H01 for Calibration Period 2010-2013.**

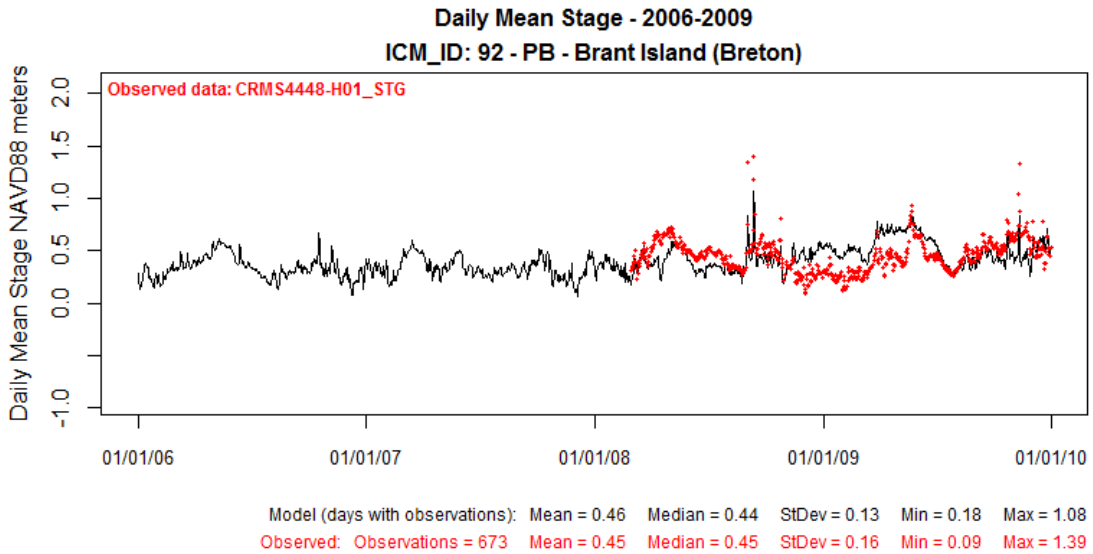


**Figure 56: Modeled Stage at ICM Compartment 92 (solid black line) Compared to Observed Data at CRMS4448-H01 for Validation Period 2006-2009.**

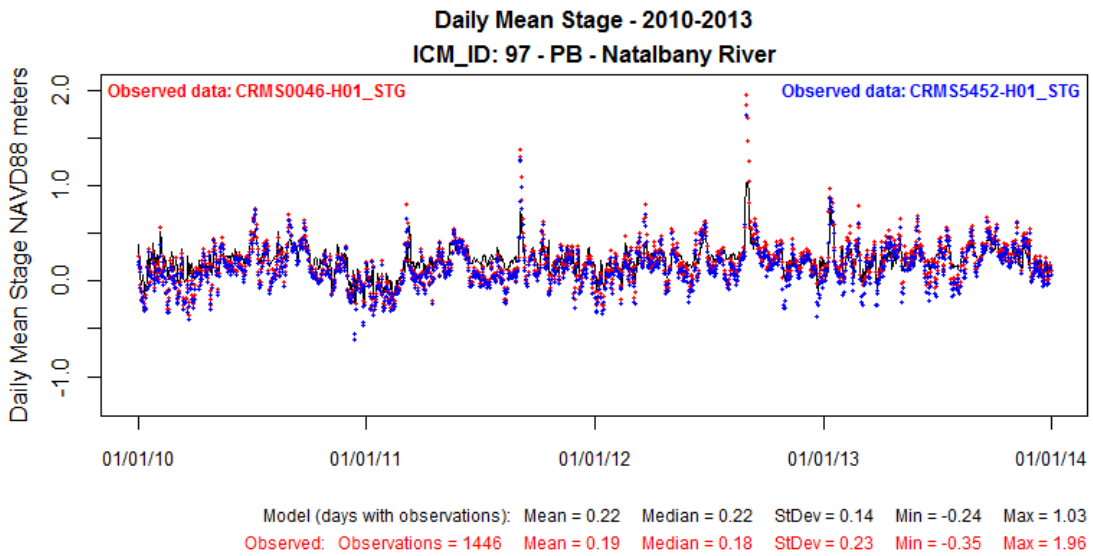


**Figure 57: Modeled Stage at ICM Compartment 97 (solid black line) Compared to Observed Data at CRMS0046-H01 for Calibration Period 2010-2013.**

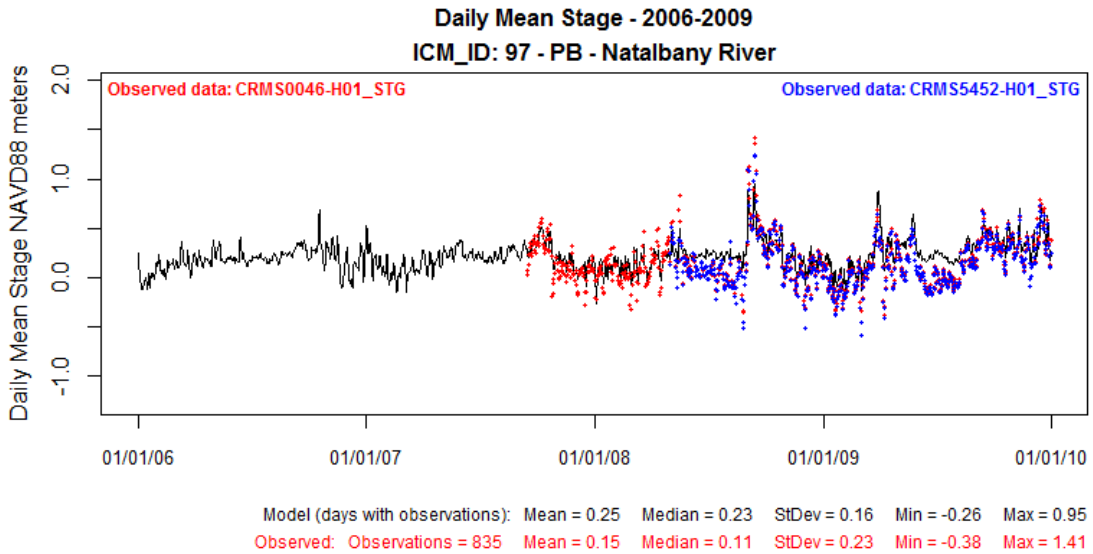


**Figure 58: Modeled Stage at ICM Compartment 97 (solid black line) Compared to Observed Data at CRMS0046-H01 for Validation Period 2006-2009.**

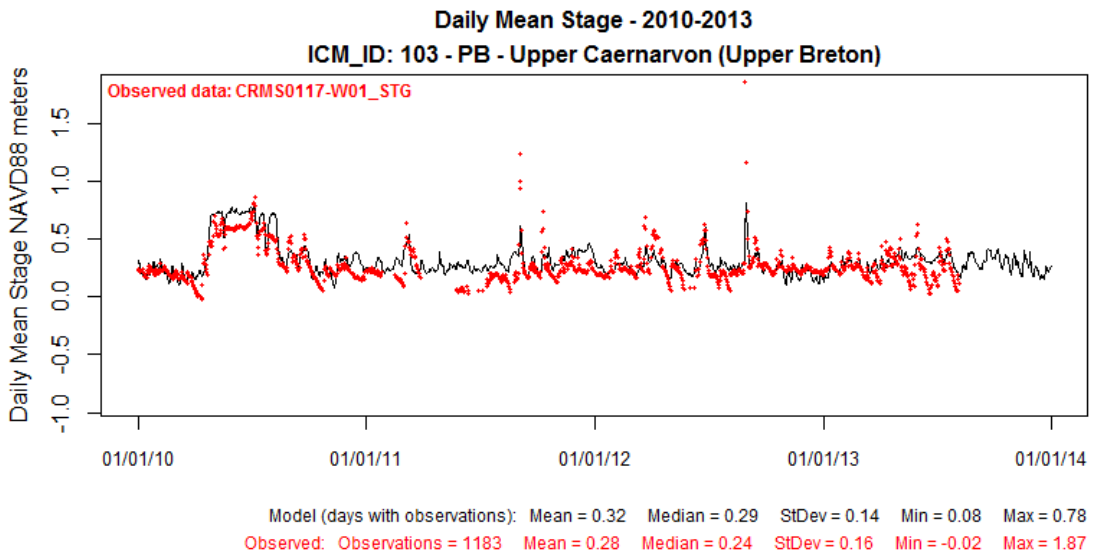


**Figure 59: Modeled Stage at ICM Compartment 103 (solid black line) Compared to Observed Data at CRMS0117-W01 for Calibration Period 2010-2013.**

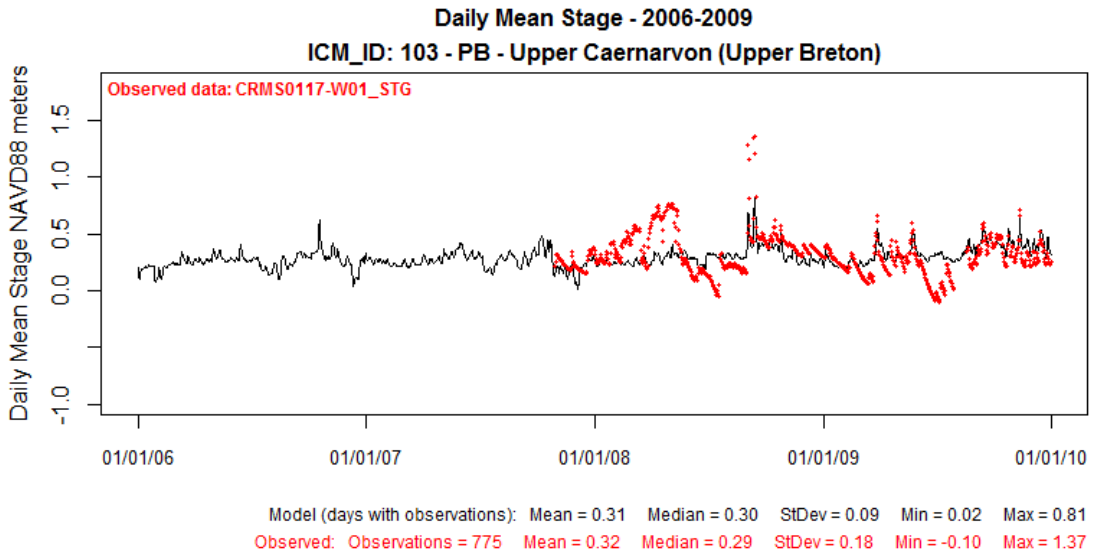


**Figure 60: Modeled Stage at ICM Compartment 103 (solid black line) Compared to Observed Data at CRMS0117-W01 for Validation Period 2006-2009.**

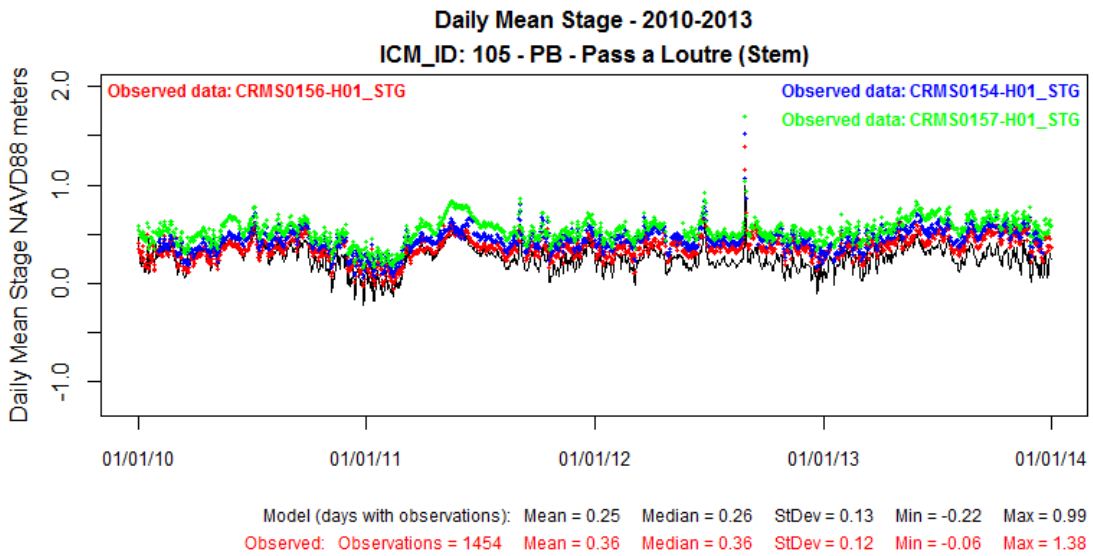


**Figure 61: Modeled Stage at ICM Compartment 105 (solid black line) Compared to Observed Data at CRMS0156-H01 for Calibration Period 2010-2013.**

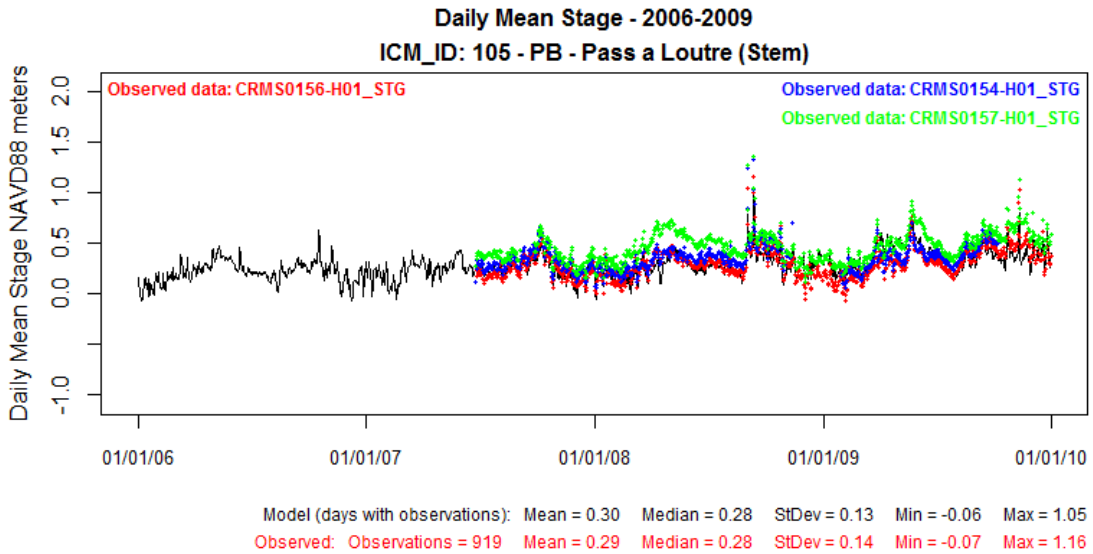


**Figure 62: Modeled Stage at ICM Compartment 105 (solid black line) Compared to Observed Data at CRMS0156-H01 for Validation Period 2006-2009.**

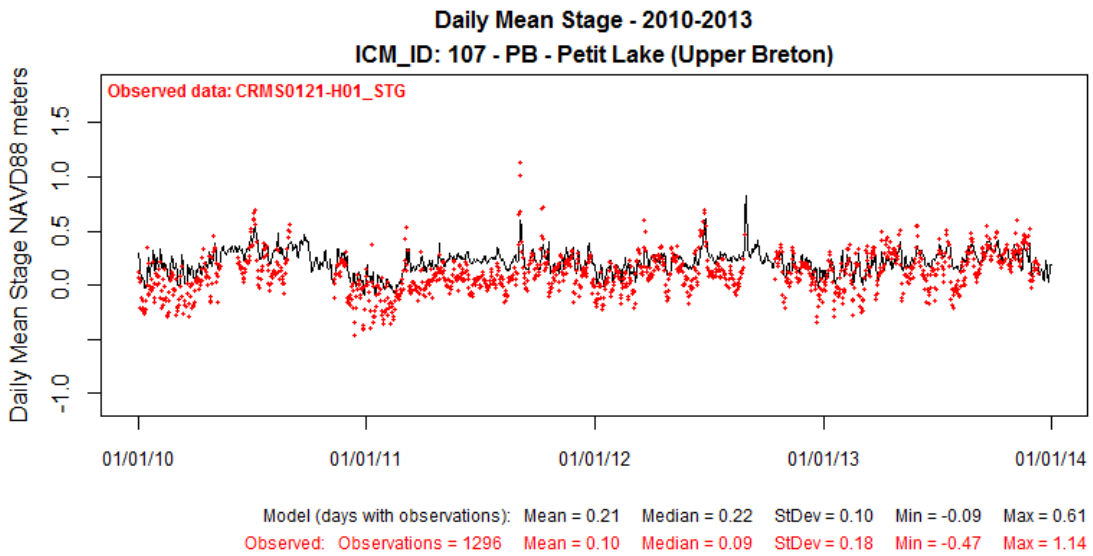


**Figure 63: Modeled Stage at ICM Compartment 107 (solid black line) Compared to Observed Data at CRMS0121-H01 for Calibration Period 2010-2013.**

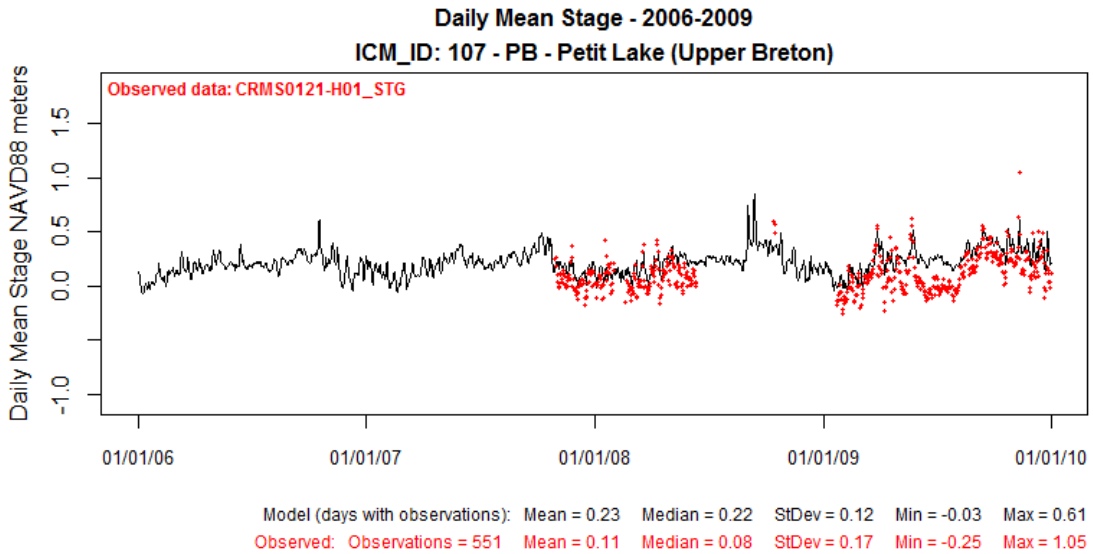


**Figure 64: Modeled Stage at ICM Compartment 107 (solid black line) Compared to Observed Data at CRMS0121-H01 for Validation Period 2006-2009.**

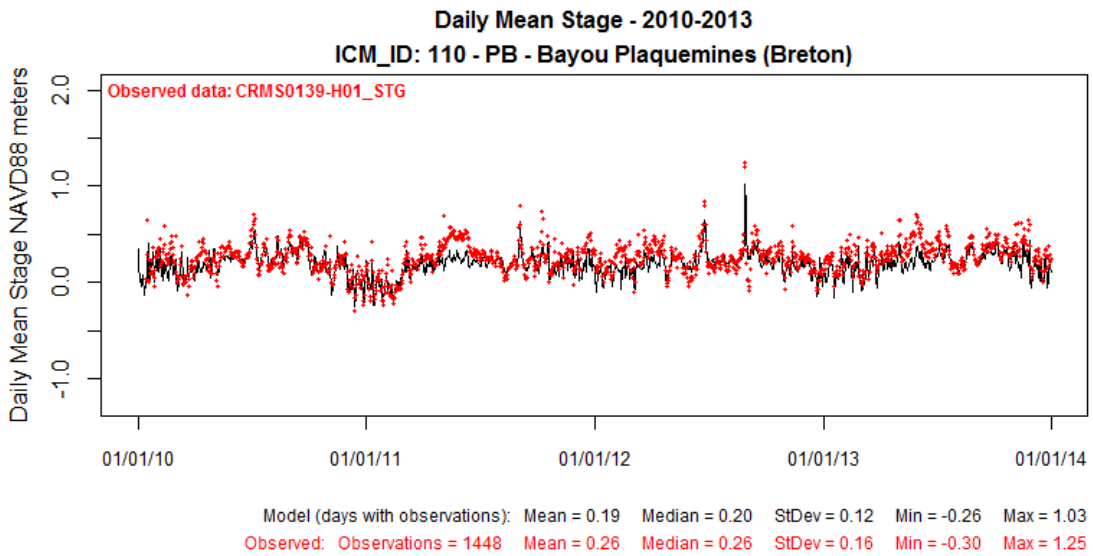


**Figure 65: Modeled Stage at ICM Compartment 110 (solid black line) Compared to Observed Data at CRMS0139-H01 for Calibration Period 2010-2013.**

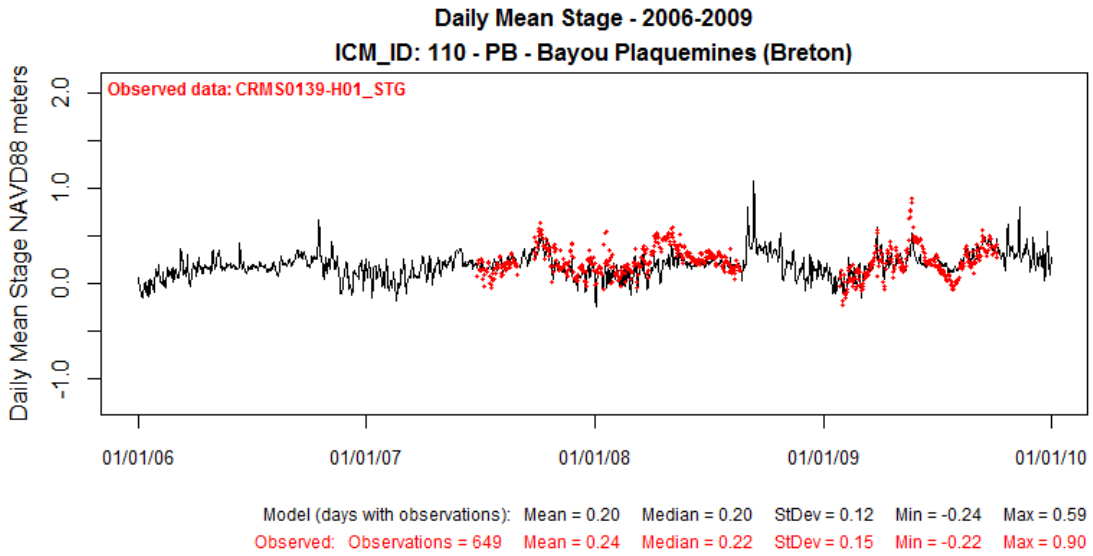


**Figure 66: Modeled Stage at ICM Compartment 110 (solid black line) Compared to Observed Data at CRMS0139-H01 for Validation Period 2006-2009.**

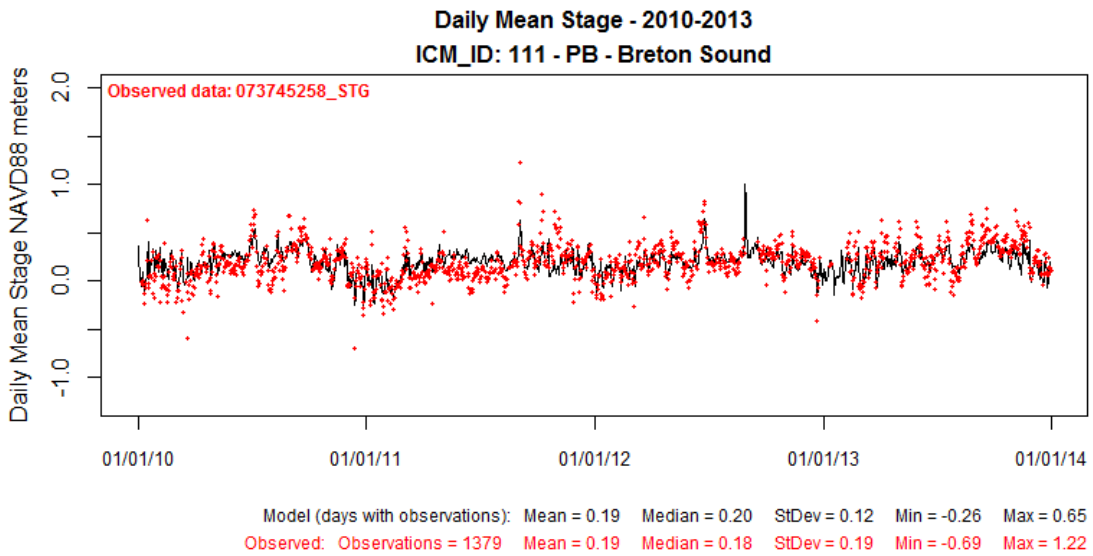


**Figure 67: Modeled Stage at ICM Compartment 111 (solid black line) Compared to Observed Data at USGS073745258 for Calibration Period 2010-2013.**

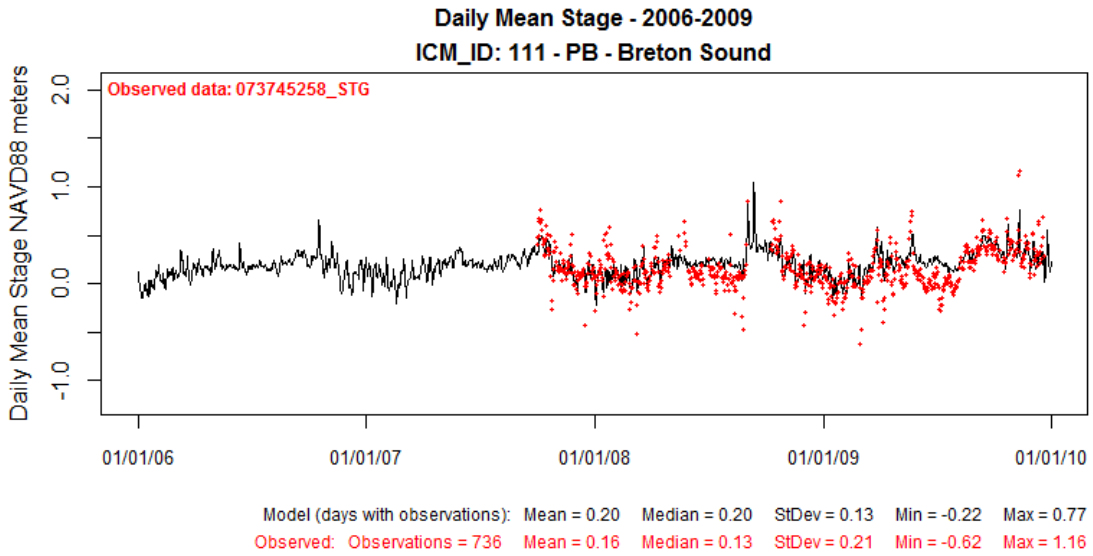


**Figure 68: Modeled Stage at ICM Compartment 111 (solid black line) Compared to Observed Data at USGS073745258 for Validation Period 2006-2009.**

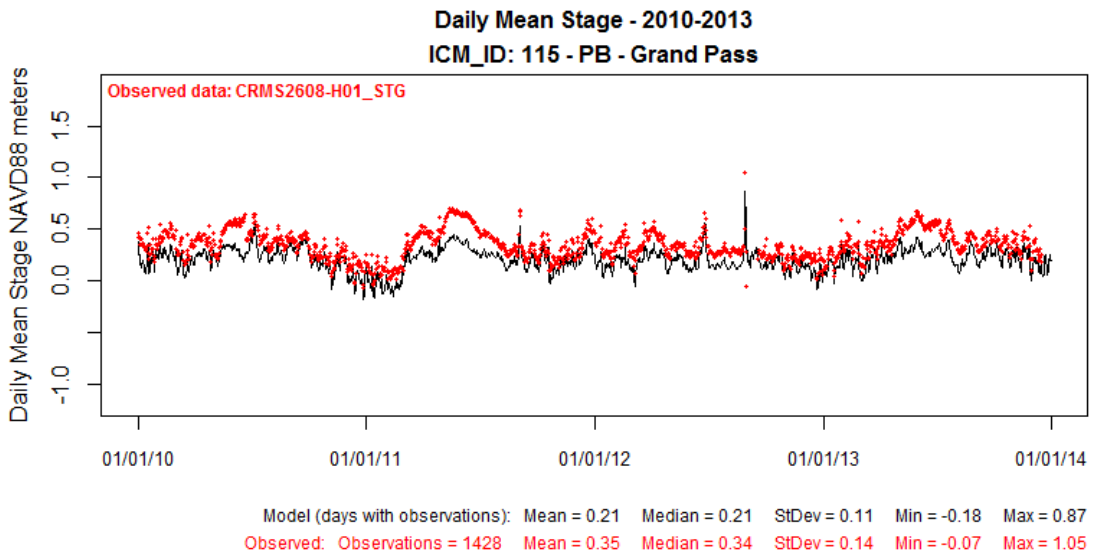


**Figure 69: Modeled Stage at ICM Compartment 115 (solid black line) Compared to Observed Data at CRMS2608-H01 for Calibration Period 2010-2013.**

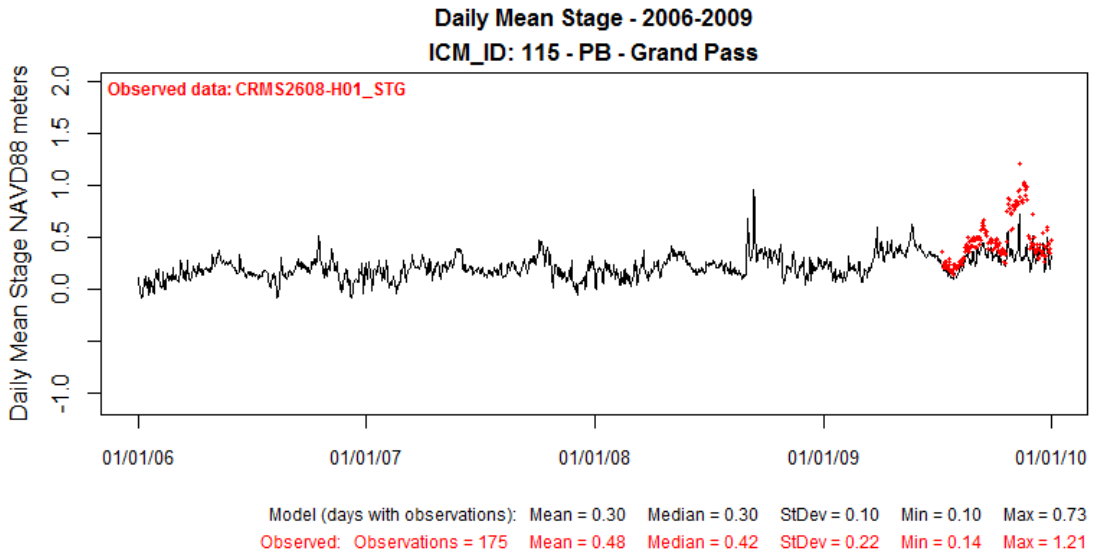


**Figure 70: Modeled Stage at ICM Compartment 115 (solid black line) Compared to Observed Data at CRMS2608-H01 for Validation Period 2006-2009.**

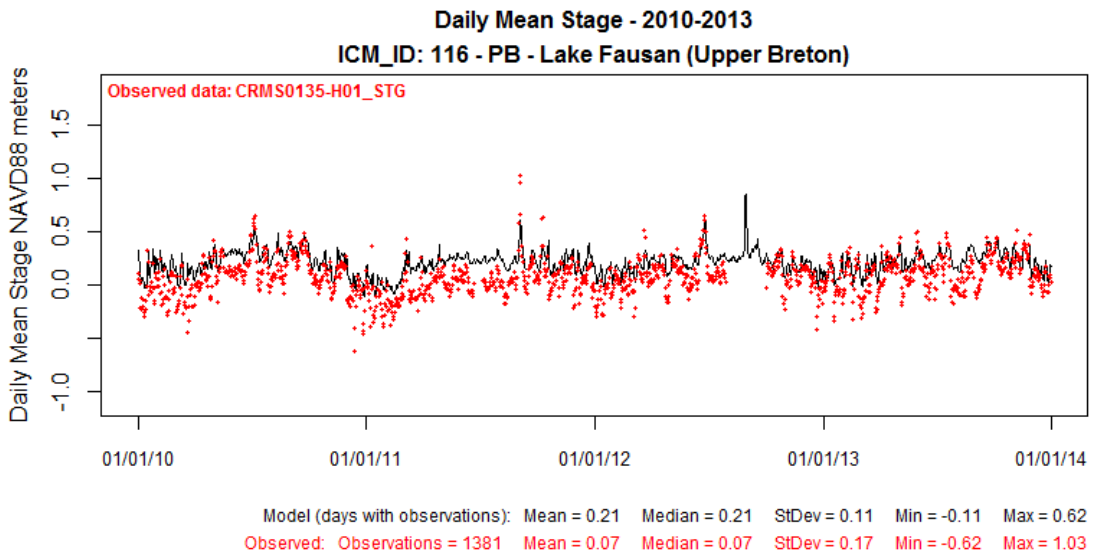


**Figure 71: Modeled Stage at ICM Compartment 116 (solid black line) Compared to Observed Data at CRMS0135-H01 for Calibration Period 2010-2013.**

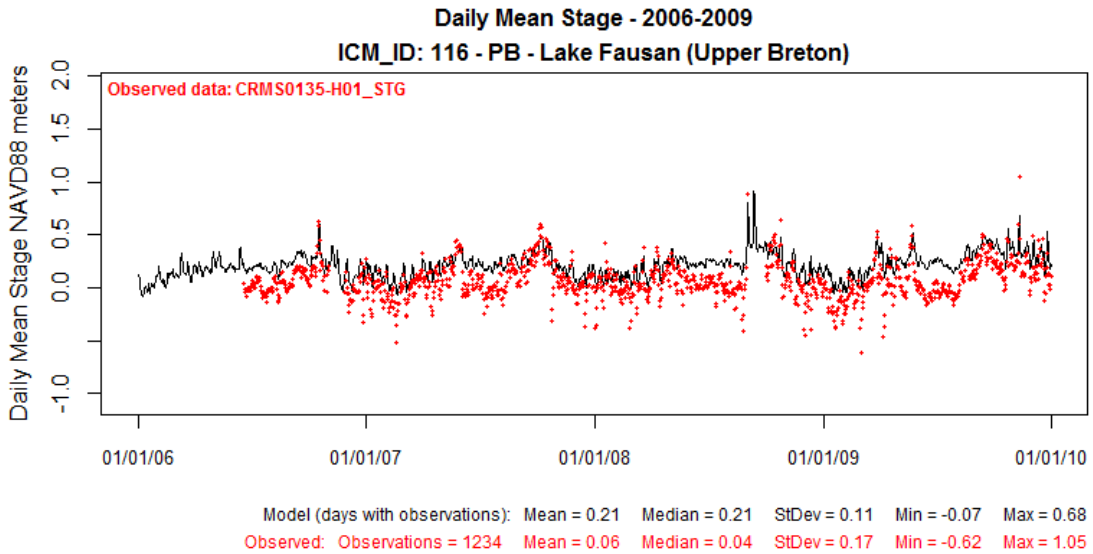


**Figure 72: Modeled Stage at ICM Compartment 116 (solid black line) Compared to Observed Data at CRMS0135-H01 for Validation Period 2006-2009.**

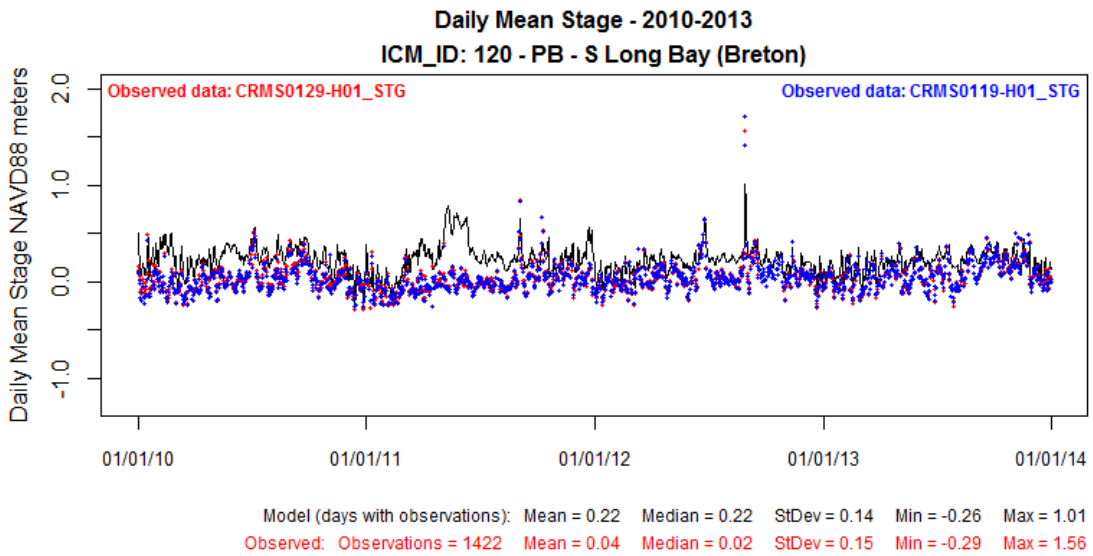


**Figure 73: Modeled Stage at ICM Compartment 120 (solid black line) Compared to Observed Data at CRMS0129-H01 for Calibration Period 2010-2013.**

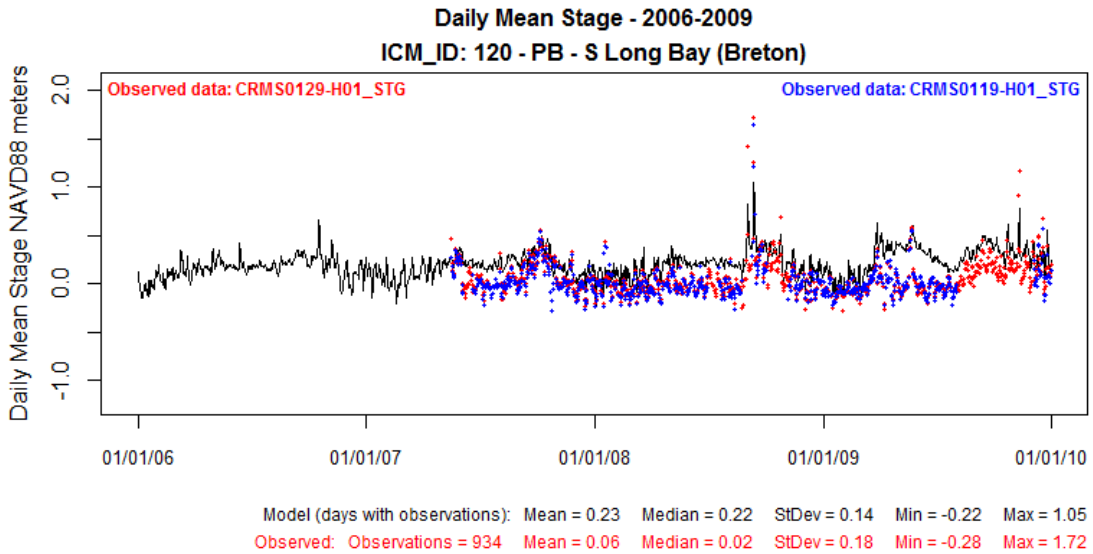


**Figure 74: Modeled Stage at ICM Compartment 120 (solid black line) Compared to Observed Data at CRMS0129-H01 for Validation Period 2006-2009.**

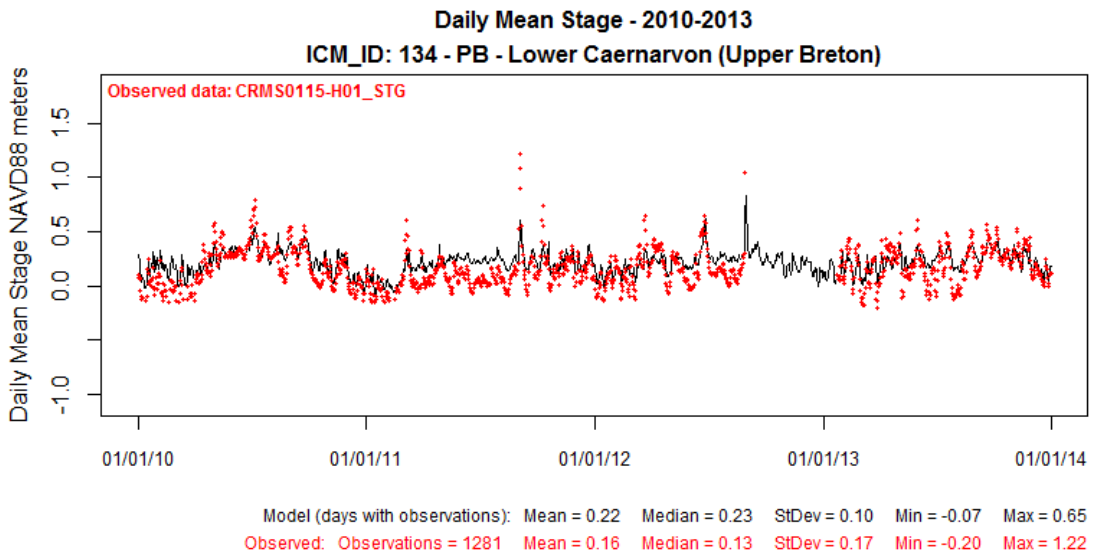


**Figure 75: Modeled Stage at ICM Compartment 134 (solid black line) Compared to Observed Data at CRMS0115-H01 for Calibration Period 2010-2013.**

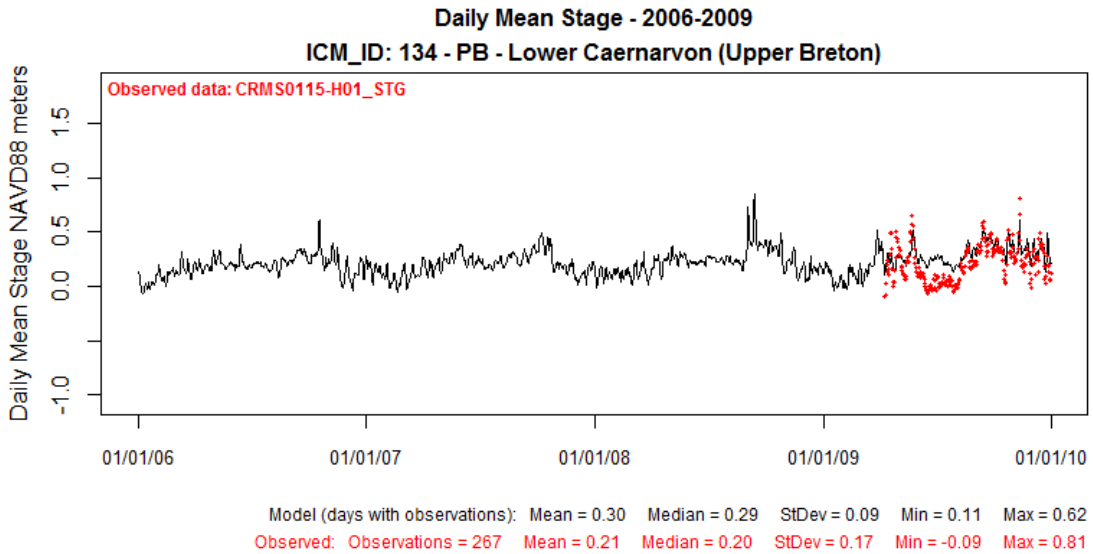


**Figure 76: Modeled Stage at ICM Compartment 134 (solid black line) Compared to Observed Data at CRMS0115-H01 for Validation Period 2006-2009.**

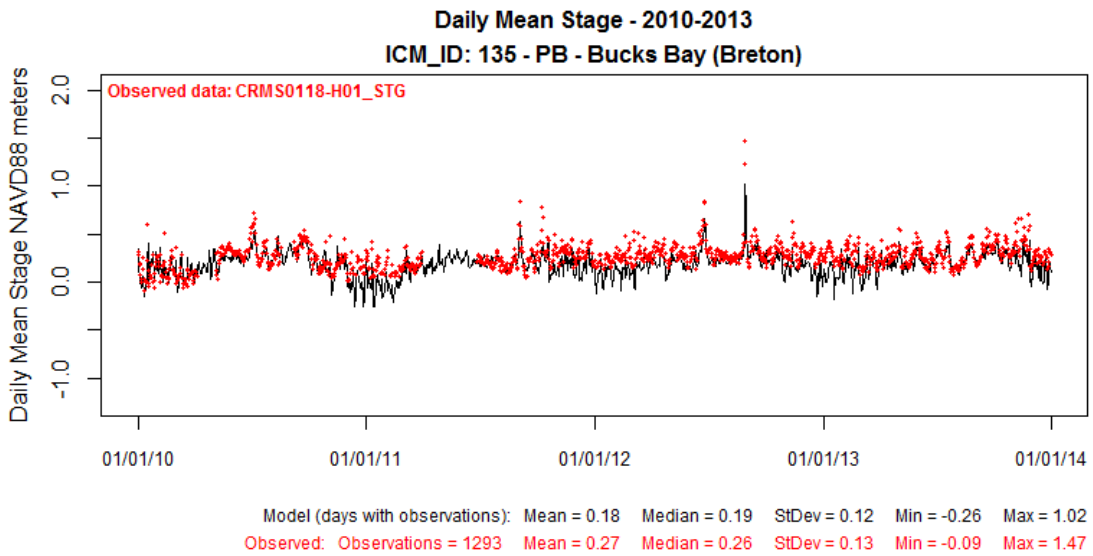


**Figure 77: Modeled Stage at ICM Compartment 135 (solid black line) Compared to Observed Data at CRMS0118-H01 for Calibration Period 2010-2013.**

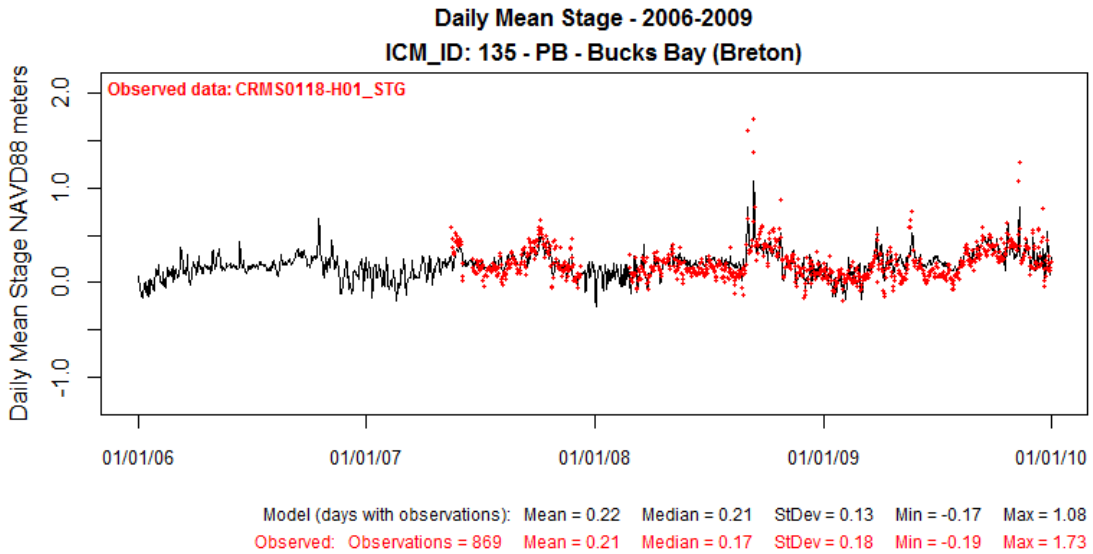


**Figure 78: Modeled Stage at ICM Compartment 135 (solid black line) Compared to Observed Data at CRMS0118-H01 for Validation Period 2006-2009.**

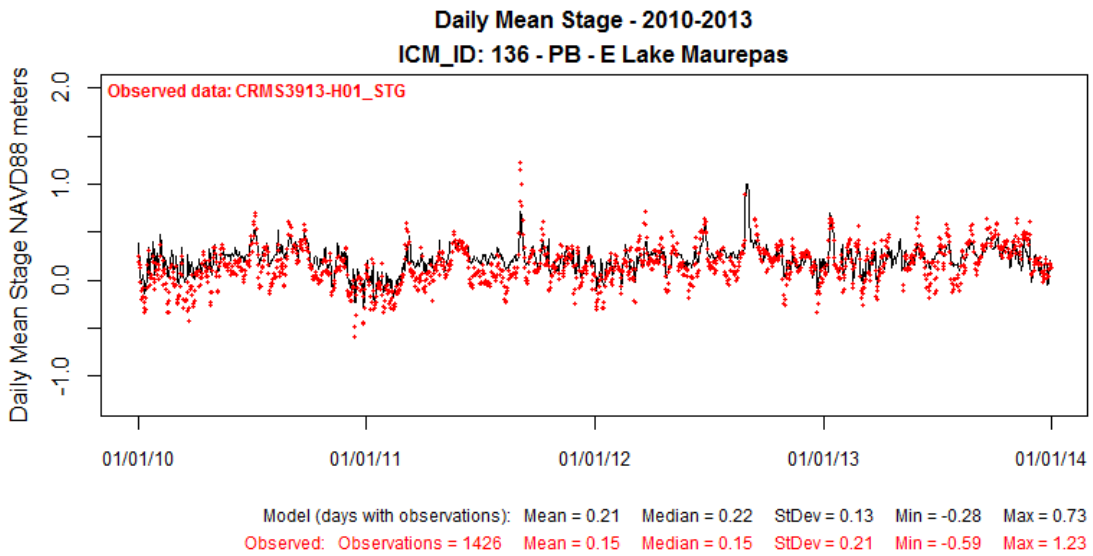


**Figure 79: Modeled Stage at ICM Compartment 136 (solid black line) Compared to Observed Data at CRMS3913-H01 for Calibration Period 2010-2013.**

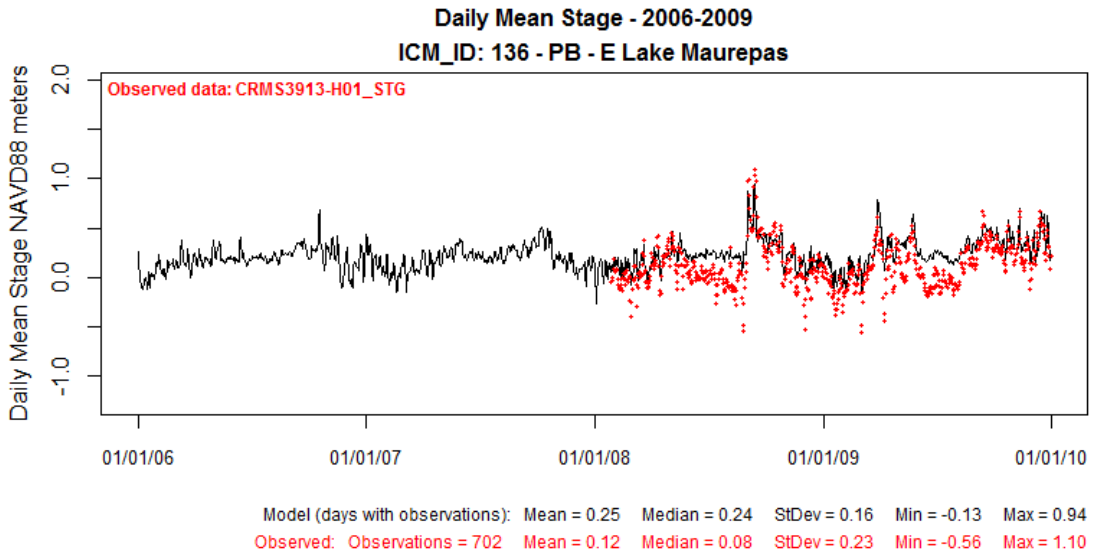


**Figure 80: Modeled Stage at ICM Compartment 136 (solid black line) Compared to Observed Data at CRMS3913-H01 for Validation Period 2006-2009.**

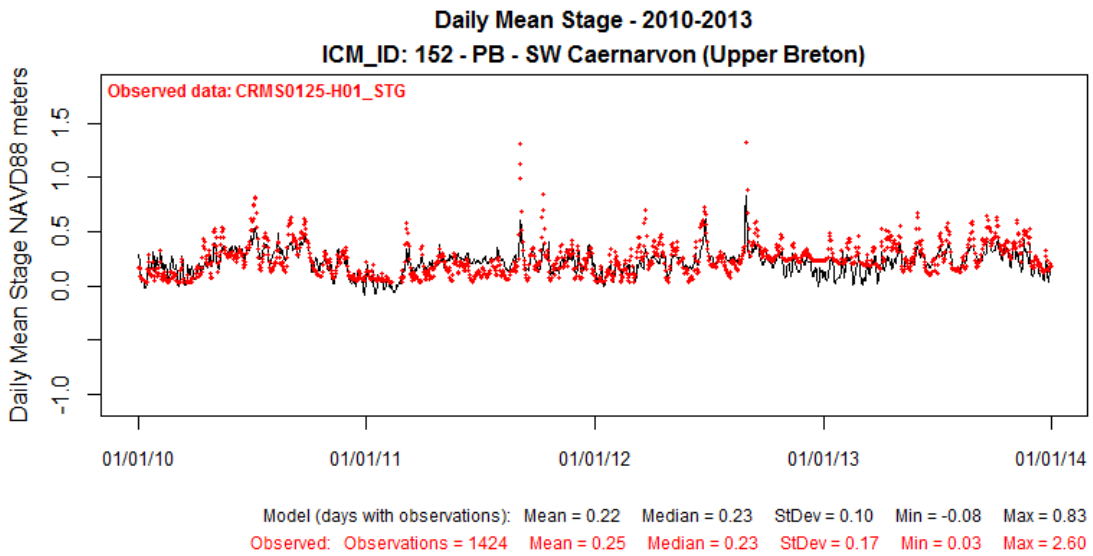


**Figure 81: Modeled Stage at ICM Compartment 152 (solid black line) Compared to Observed Data at CRMS0125-H01 for Calibration Period 2010-2013.**

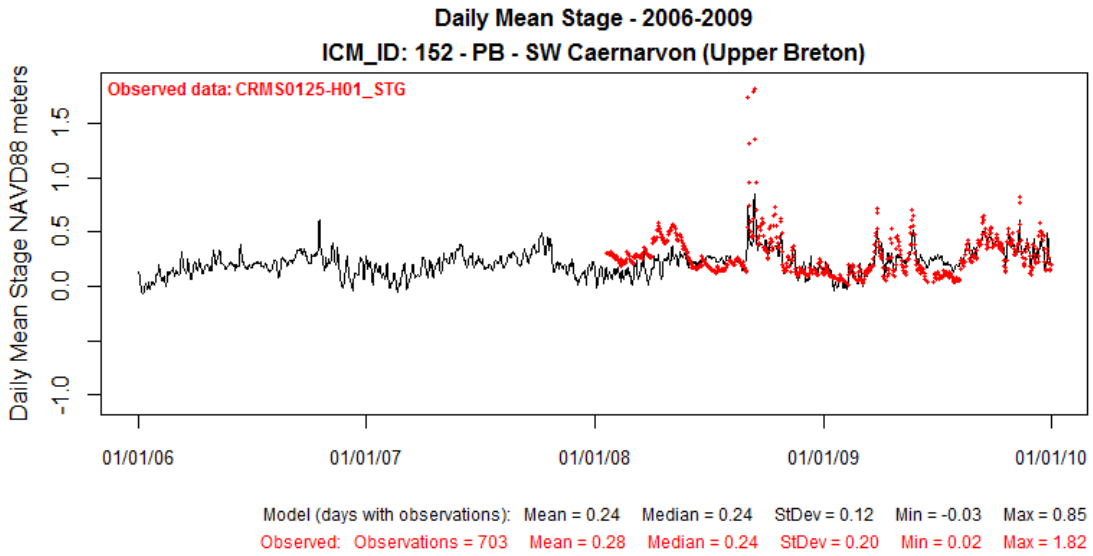


**Figure 82: Modeled Stage at ICM Compartment 152 (solid black line) Compared to Observed Data at CRMS0125-H01 for Validation Period 2006-2009.**

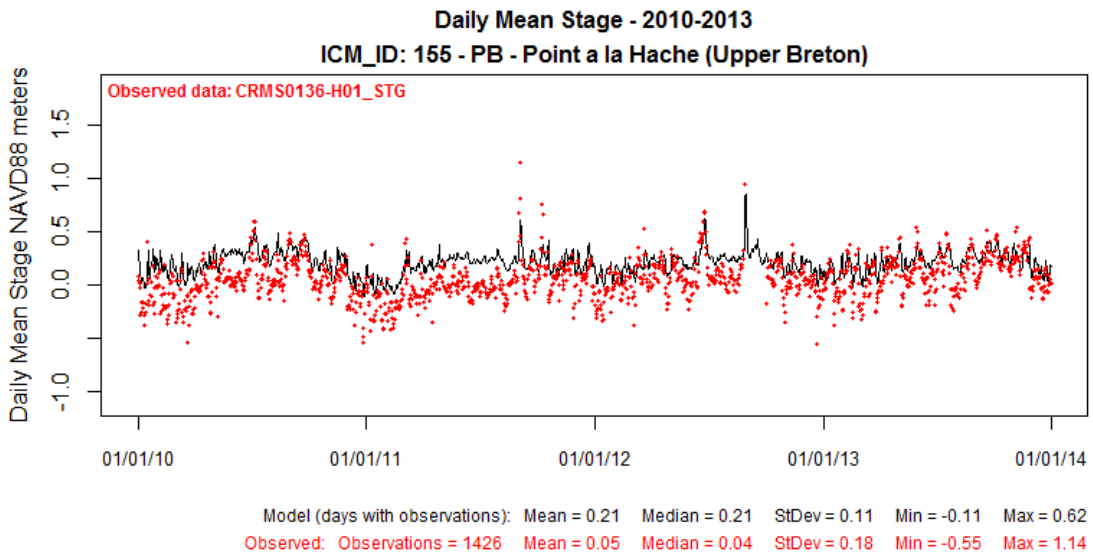


**Figure 83: Modeled Stage at ICM Compartment 155 (solid black line) Compared to Observed Data at CRMS0136-H01 for Calibration Period 2010-2013.**

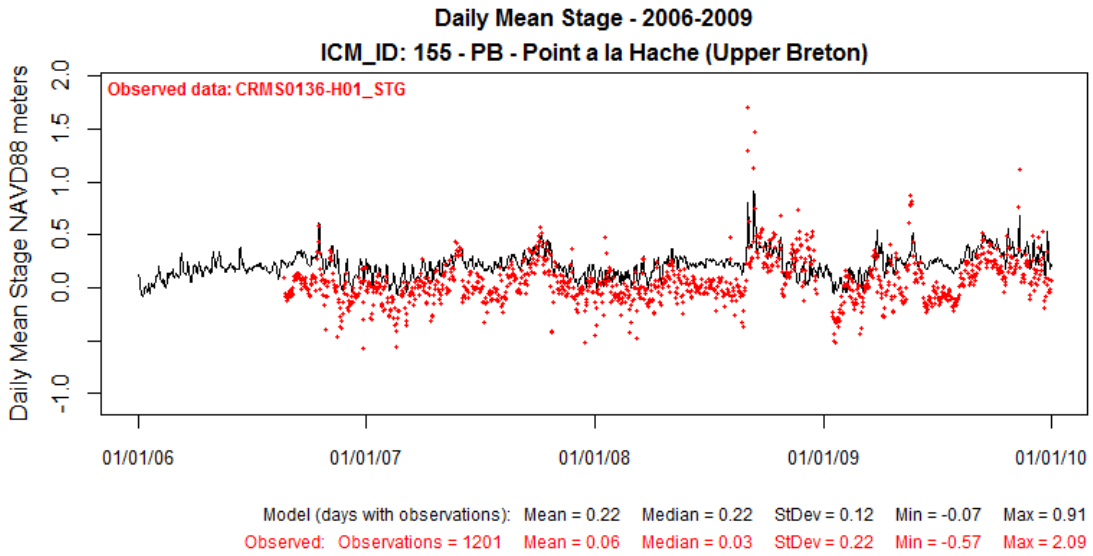


**Figure 84: Modeled Stage at ICM Compartment 155 (solid black line) Compared to Observed Data at CRMS0136-H01 for Validation Period 2006-2009.**

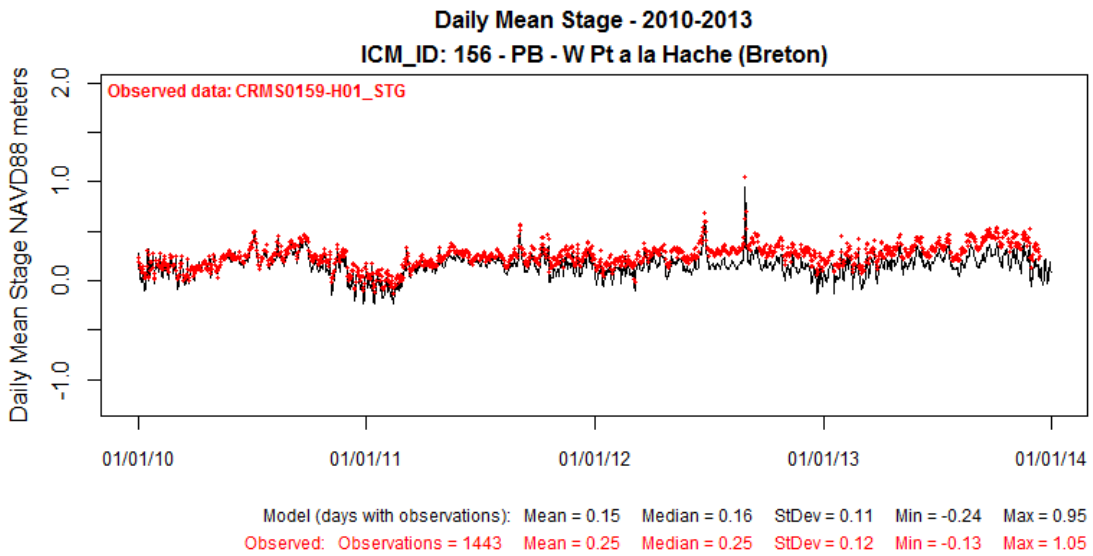


**Figure 85: Modeled Stage at ICM Compartment 156 (solid black line) Compared to Observed Data at CRMS0159-H01 for Calibration Period 2010-2013.**

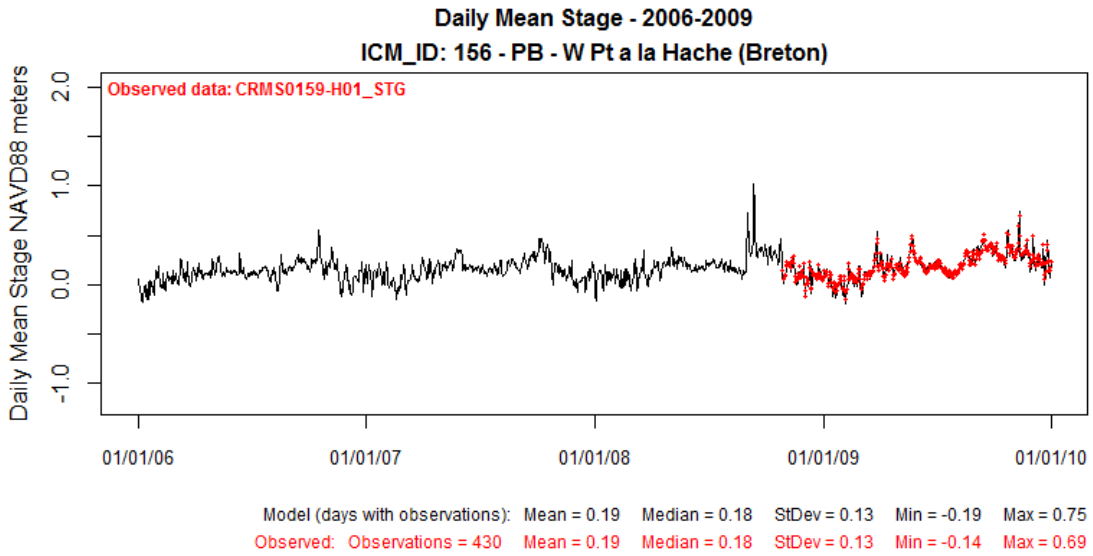


**Figure 86: Modeled Stage at ICM Compartment 156 (solid black line) Compared to Observed Data at CRMS0159-H01 for Validation Period 2006-2009.**

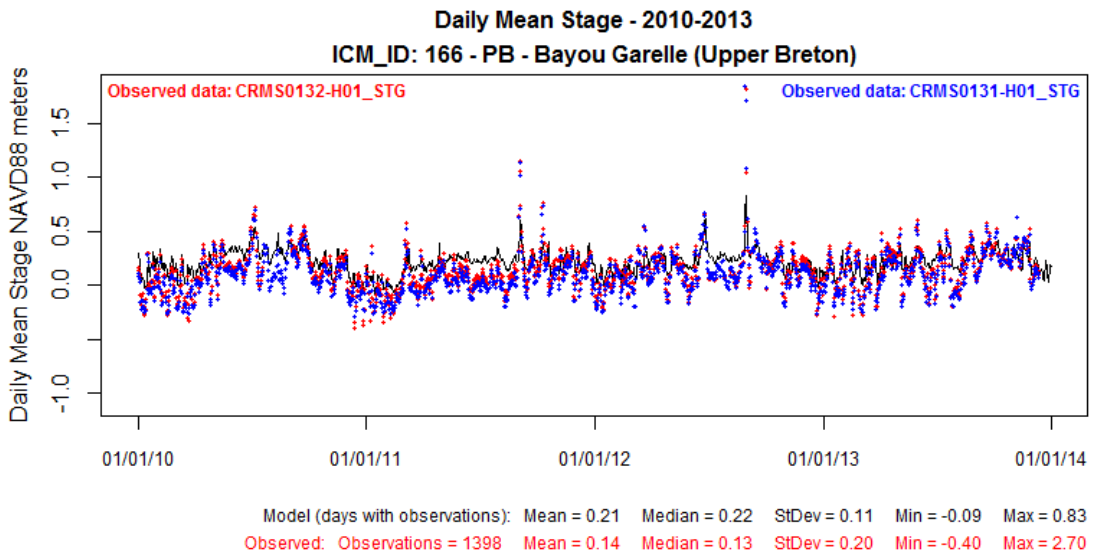


**Figure 87: Modeled Stage at ICM Compartment 166 (solid black line) Compared to Observed Data at CRMS0132-H01 for Calibration Period 2010-2013.**

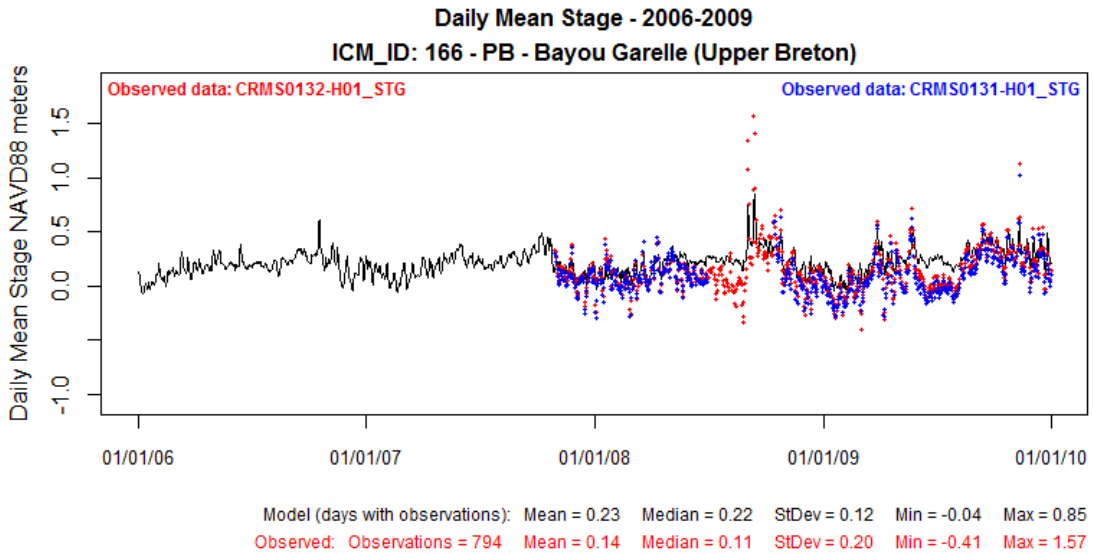


**Figure 88: Modeled Stage at ICM Compartment 166 (solid black line) Compared to Observed Data at CRMS0132-H01 for Validation Period 2006-2009.**

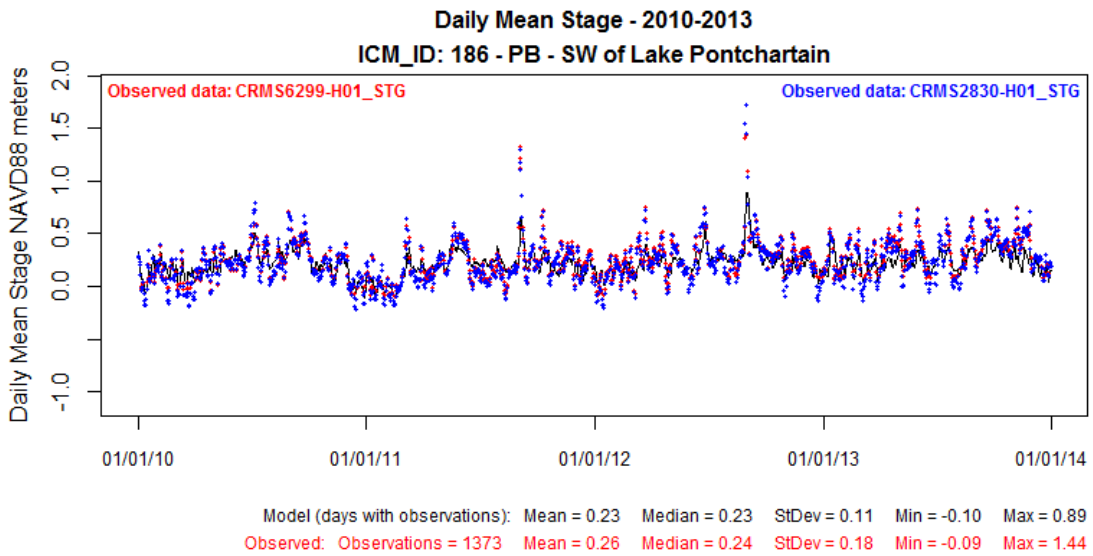


**Figure 89: Modeled Stage at ICM Compartment 186 (solid black line) Compared to Observed Data at CRMS6299-H01 for Calibration Period 2010-2013.**

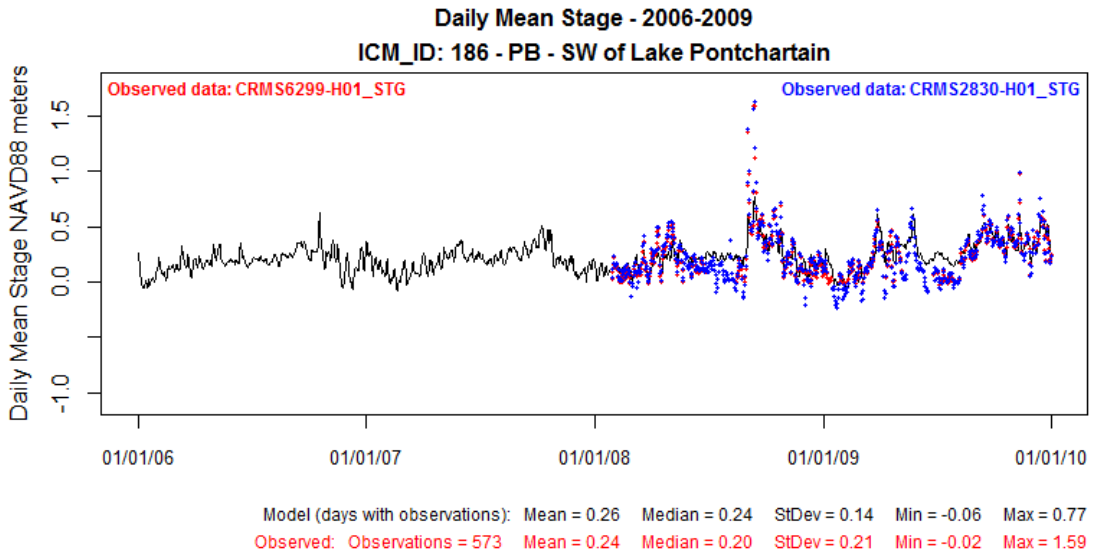


**Figure 90: Modeled Stage at ICM Compartment 186 (solid black line) Compared to Observed Data at CRMS6299-H01 for Validation Period 2006-2009.**

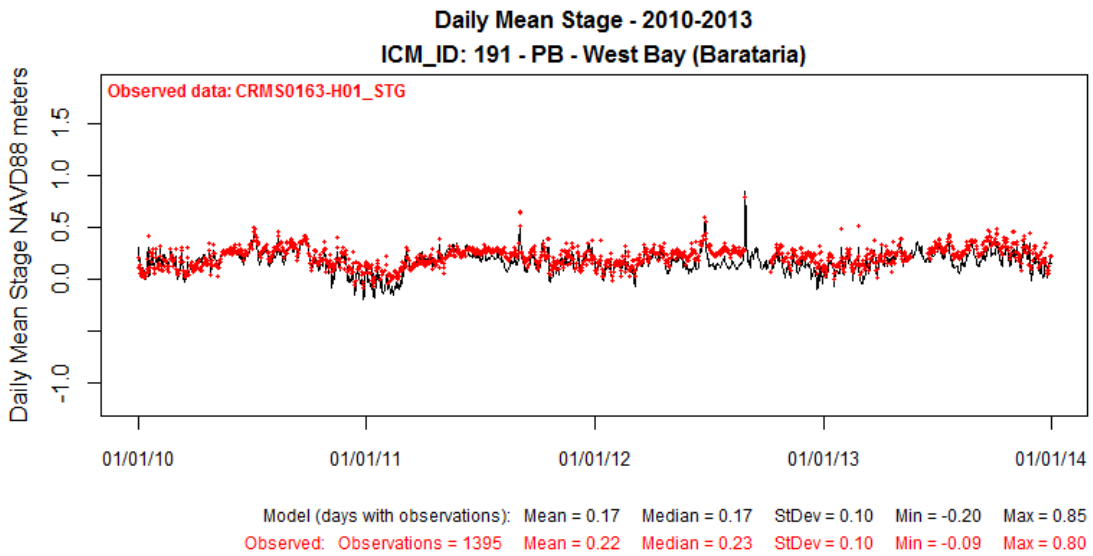


**Figure 91: Modeled Stage at ICM Compartment 191 (solid black line) Compared to Observed Data at CRMS0163-H01 for Calibration Period 2010-2013.**

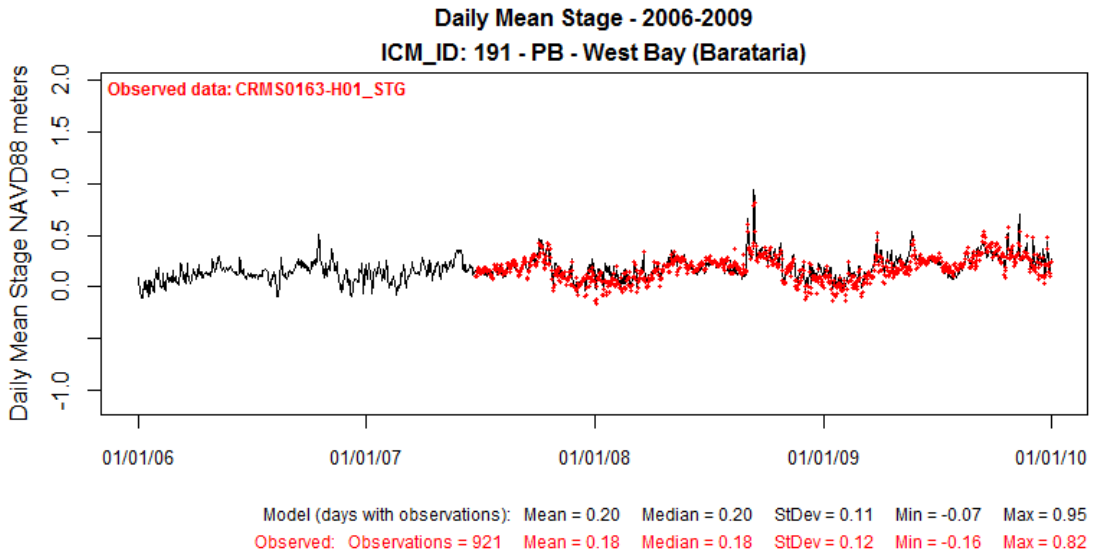


**Figure 92: Modeled Stage at ICM Compartment 191 (solid black line) Compared to Observed Data at CRMS0163-H01 for Validation Period 2006-2009.**

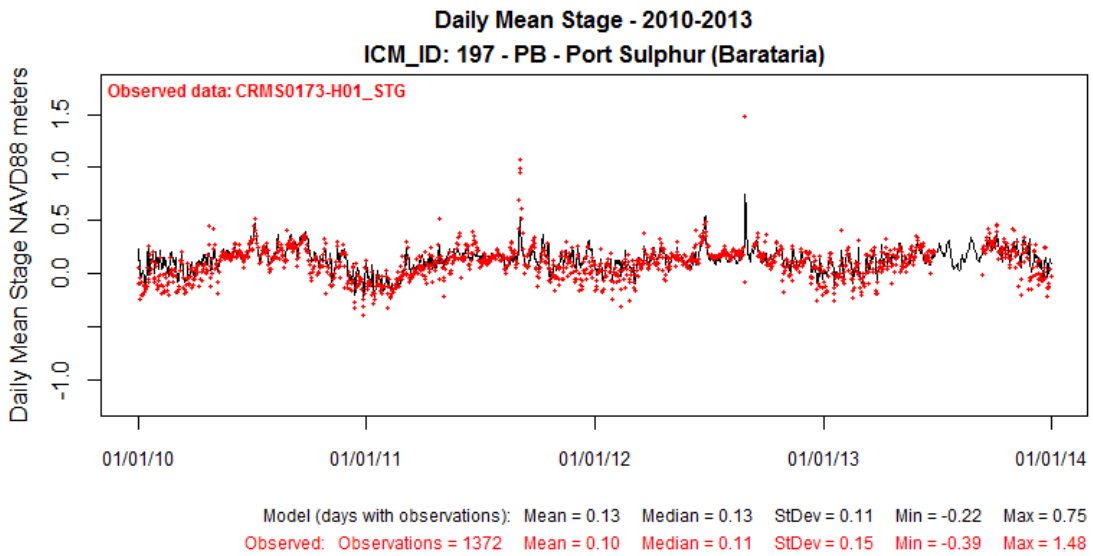


**Figure 93: Modeled Stage at ICM Compartment 197 (solid black line) Compared to Observed Data at CRMS0173-H01 for Calibration Period 2010-2013.**

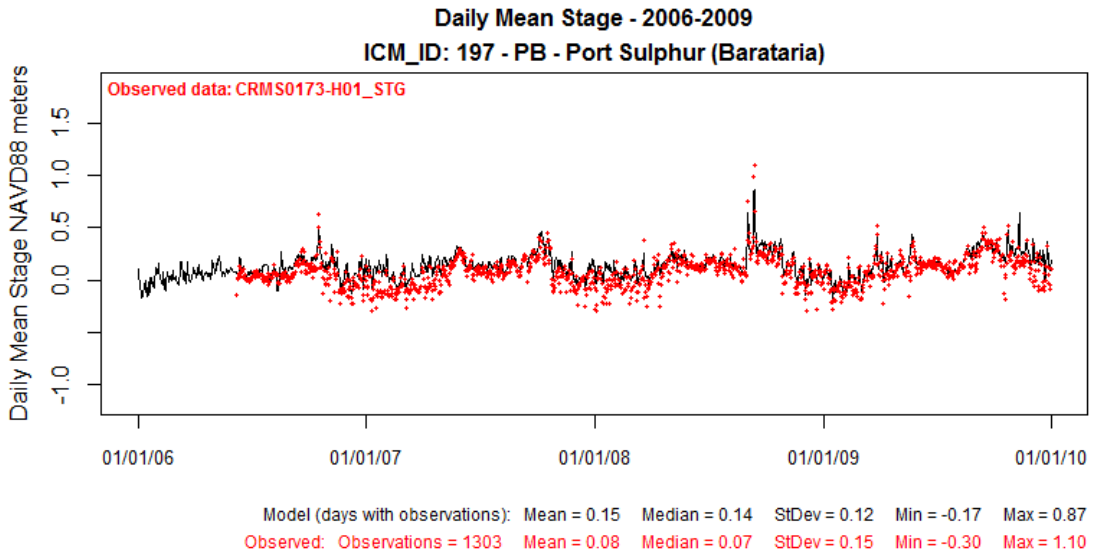


**Figure 94: Modeled Stage at ICM Compartment 197 (solid black line) Compared to Observed Data at CRMS0173-H01 for Validation Period 2006-2009.**

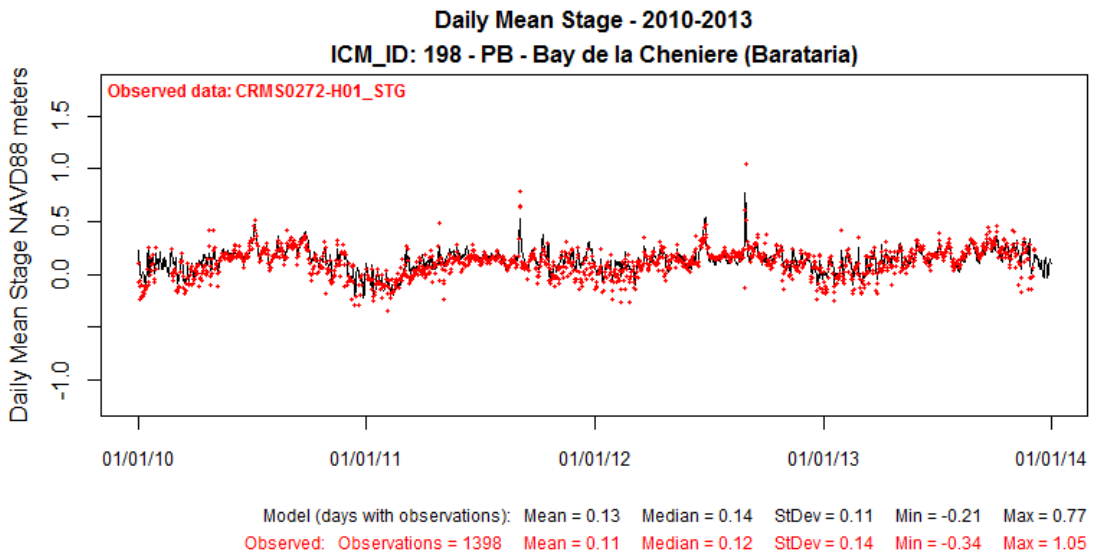


**Figure 95: Modeled Stage at ICM Compartment 198 (solid black line) Compared to Observed Data at CRMS0272-H01 for Calibration Period 2010-2013.**

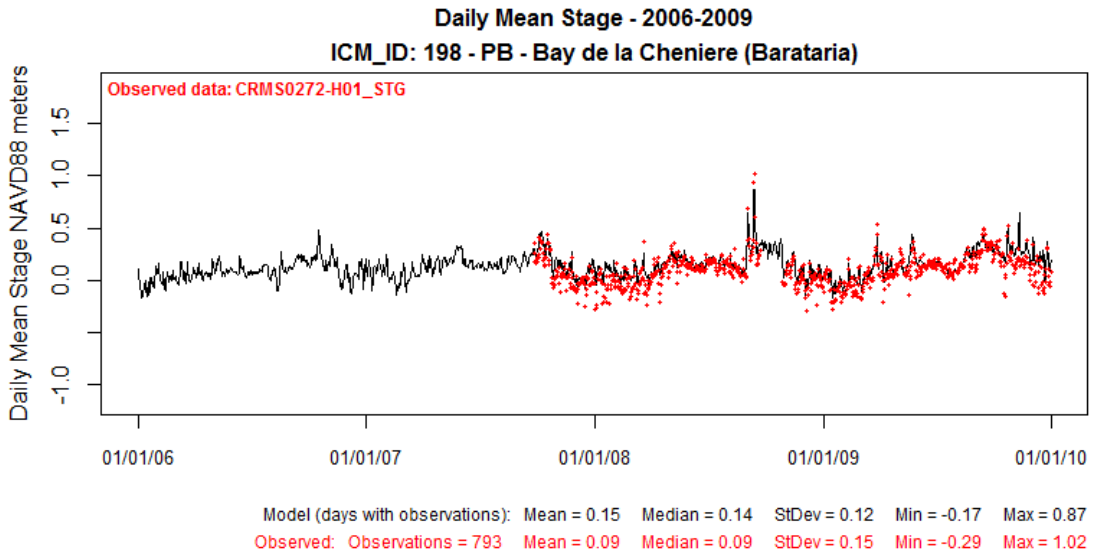


**Figure 96: Modeled Stage at ICM Compartment 198 (solid black line) Compared to Observed Data at CRMS0272-H01 for Validation Period 2006-2009.**

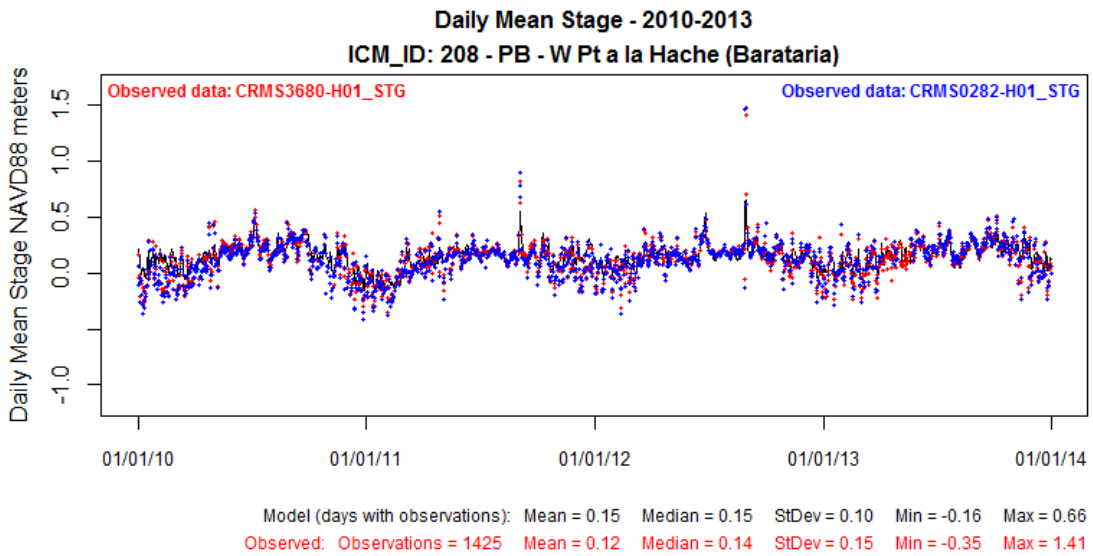


**Figure 97: Modeled Stage at ICM Compartment 208 (solid black line) Compared to Observed Data at CRMS3680-H01 for Calibration Period 2010-2013.**

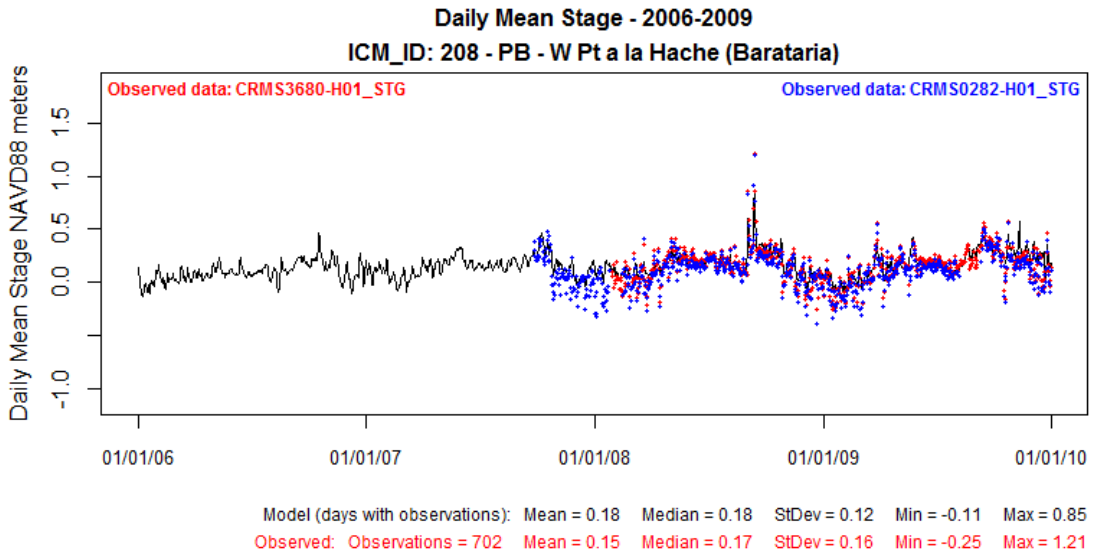


**Figure 98: Modeled Stage at ICM Compartment 208 (solid black line) Compared to Observed Data at CRMS3680-H01 for Validation Period 2006-2009.**

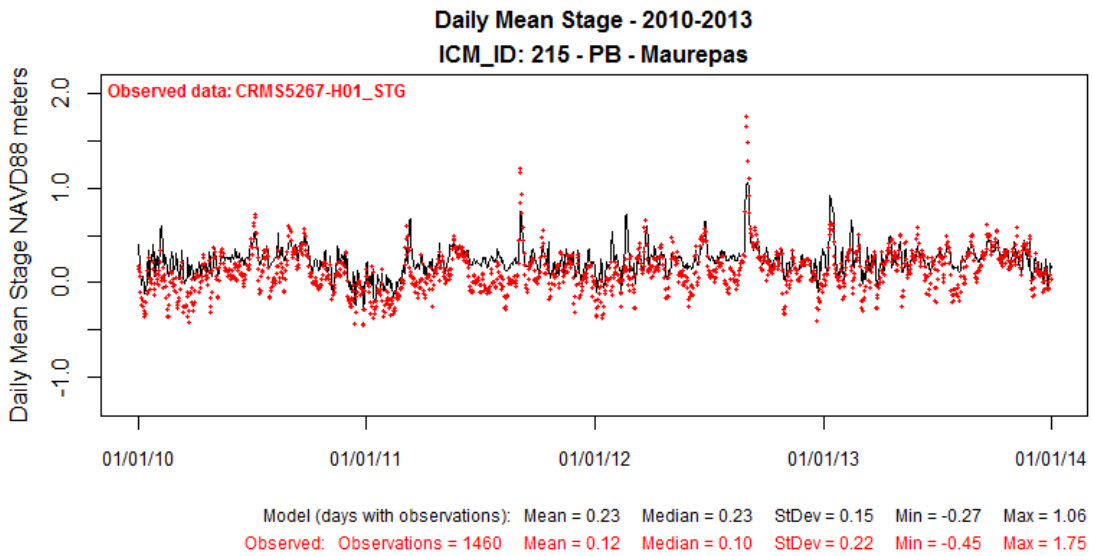


**Figure 99: Modeled Stage at ICM Compartment 215 (solid black line) Compared to Observed Data at CRMS5267-H01 for Calibration Period 2010-2013.**

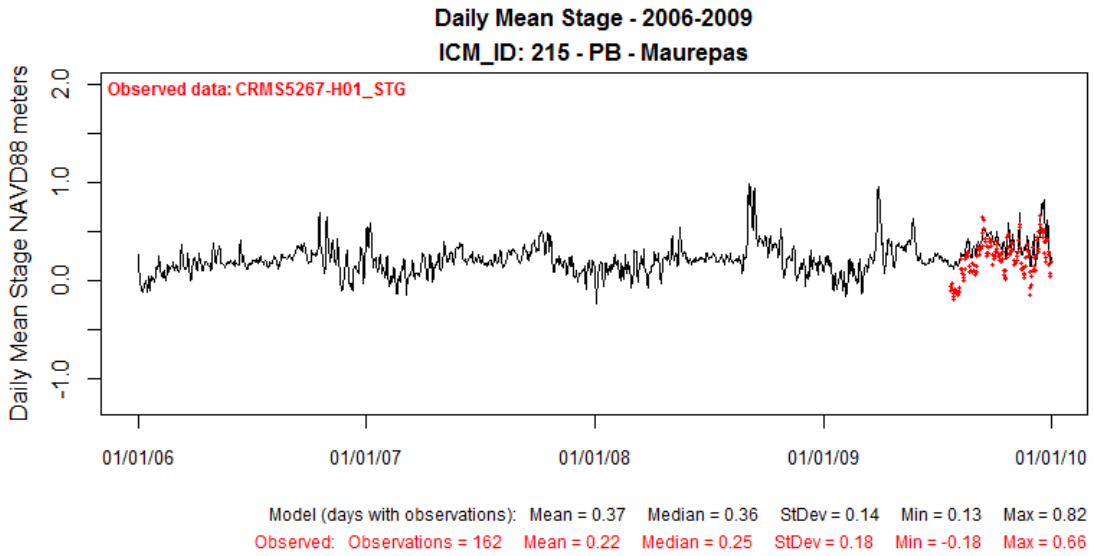


**Figure 100: Modeled Stage at ICM Compartment 215 (solid black line) Compared to Observed Data at CRMS5267-H01 for Validation Period 2006-2009.**

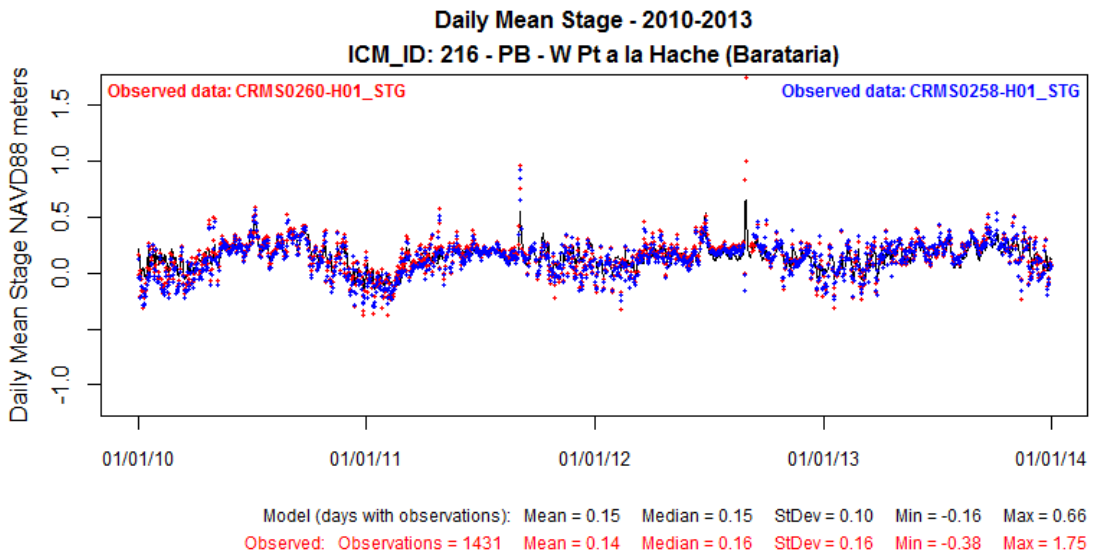


**Figure 101: Modeled Stage at ICM Compartment 216 (solid black line) Compared to Observed Data at CRMS0260-H01 for Calibration Period 2010-2013.**

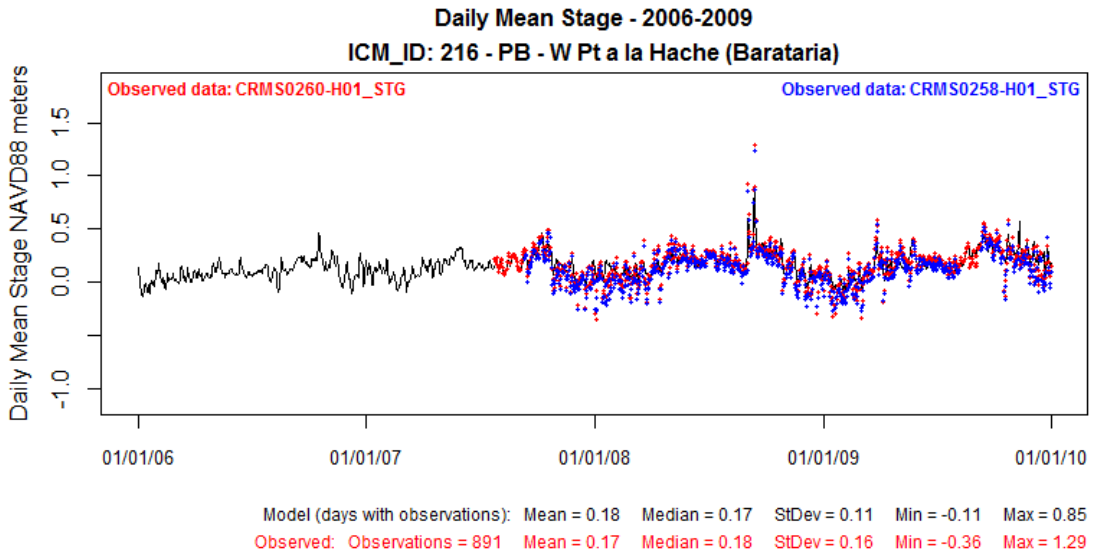


**Figure 102: Modeled Stage at ICM Compartment 216 (solid black line) Compared to Observed Data at CRMS0260-H01 for Validation Period 2006-2009.**

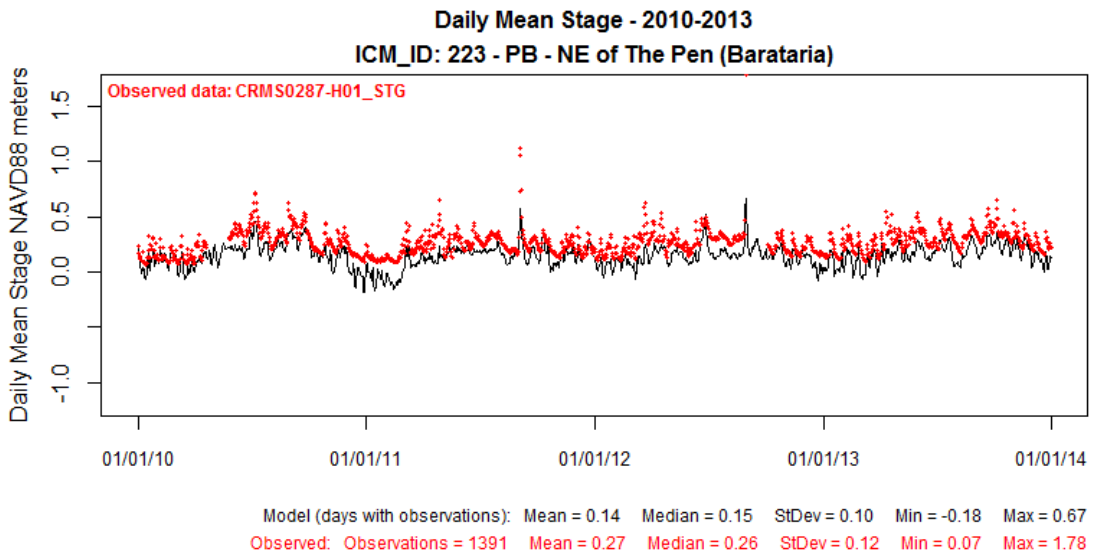


**Figure 103: Modeled Stage at ICM Compartment 223 (solid black line) Compared to Observed Data at CRMS0287-H01 for Calibration Period 2010-2013.**

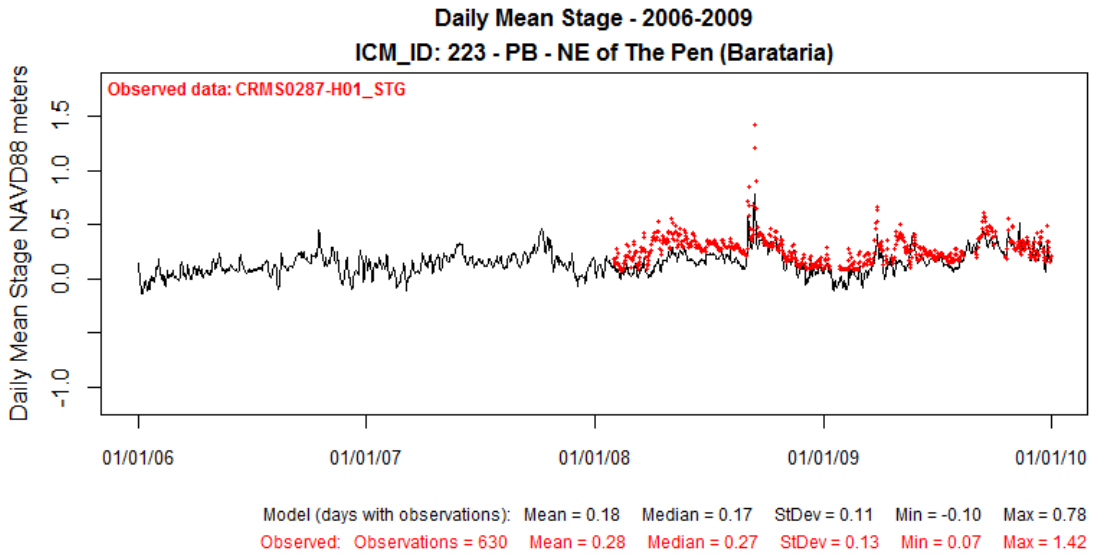


**Figure 104: Modeled Stage at ICM Compartment 223 (solid black line) Compared to Observed Data at CRMS0287-H01 for Validation Period 2006-2009.**

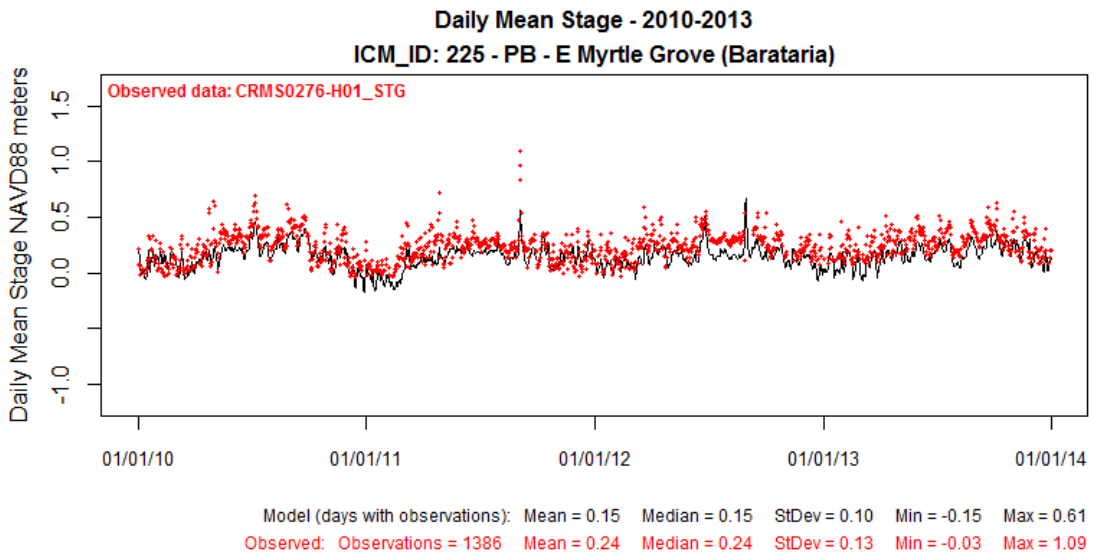


**Figure 105: Modeled Stage at ICM Compartment 225 (solid black line) Compared to Observed Data at CRMS0276-H01 for Calibration Period 2010-2013.**

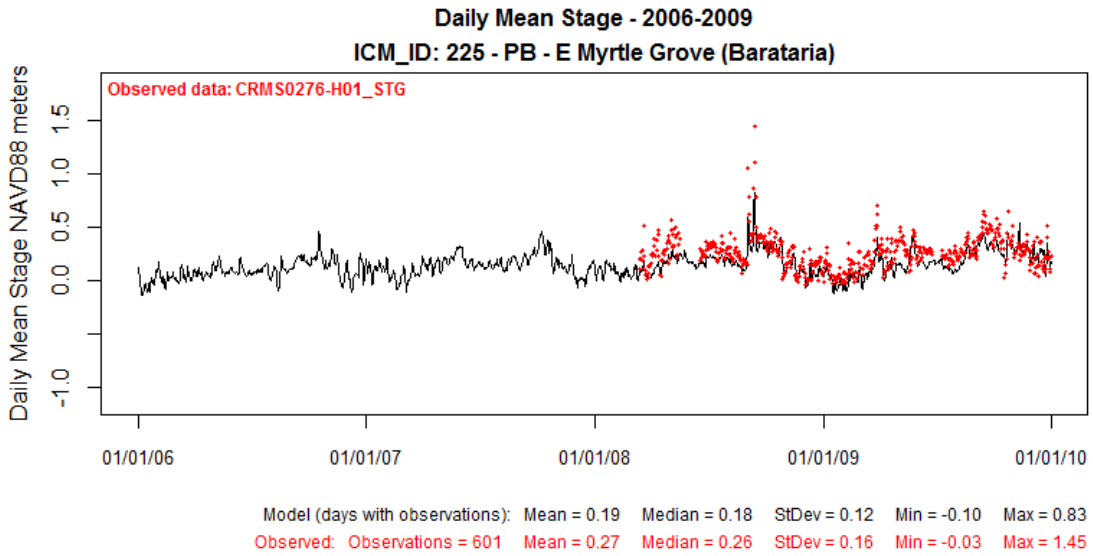


**Figure 106: Modeled Stage at ICM Compartment 225 (solid black line) Compared to Observed Data at CRMS0276-H01 for Validation Period 2006-2009.**

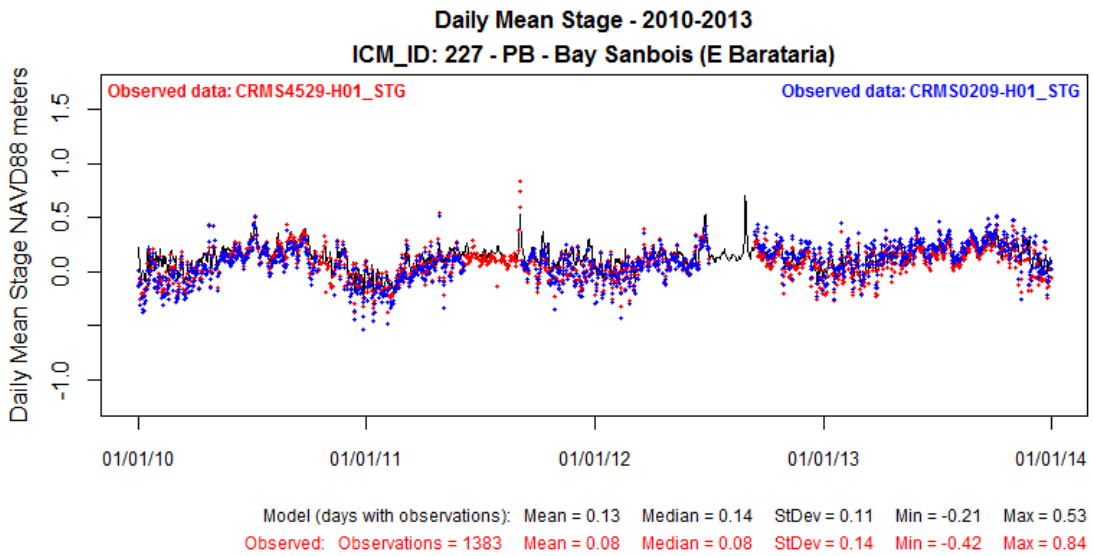


**Figure 107: Modeled Stage at ICM Compartment 227 (solid black line) Compared to Observed Data at CRMS4529-H01 for Calibration Period 2010-2013.**

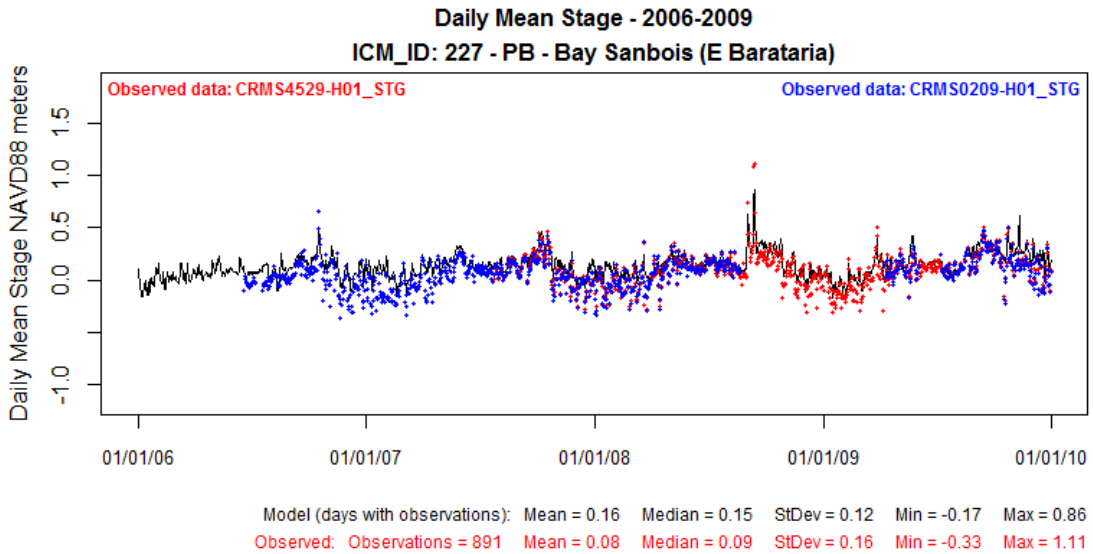


**Figure 108: Modeled Stage at ICM Compartment 227 (solid black line) Compared to Observed Data at CRMS4529-H01 for Validation Period 2006-2009.**

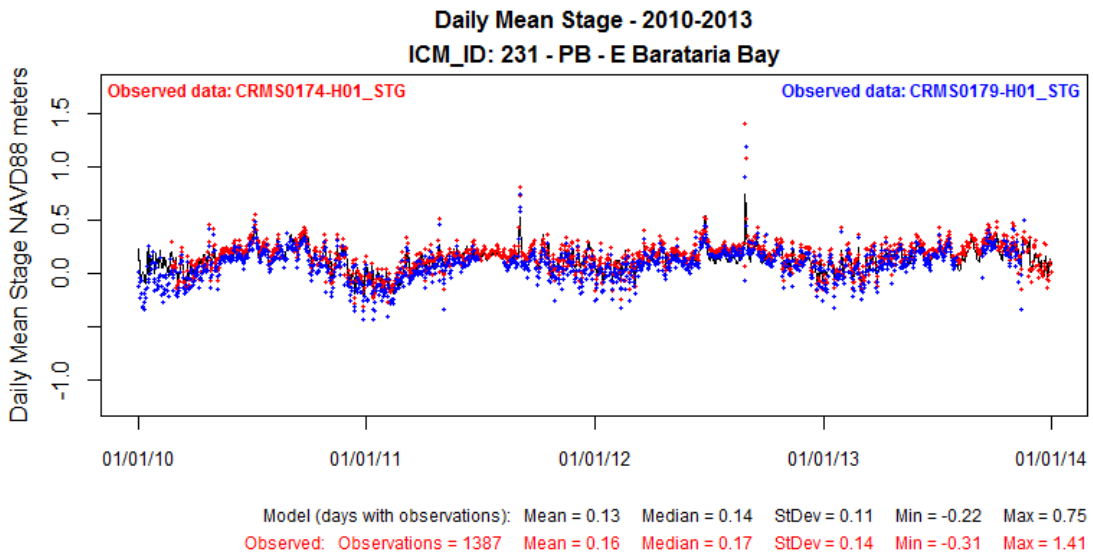


**Figure 109: Modeled Stage at ICM Compartment 231 (solid black line) Compared to Observed Data at CRMS0174-H01 for Calibration Period 2010-2013.**

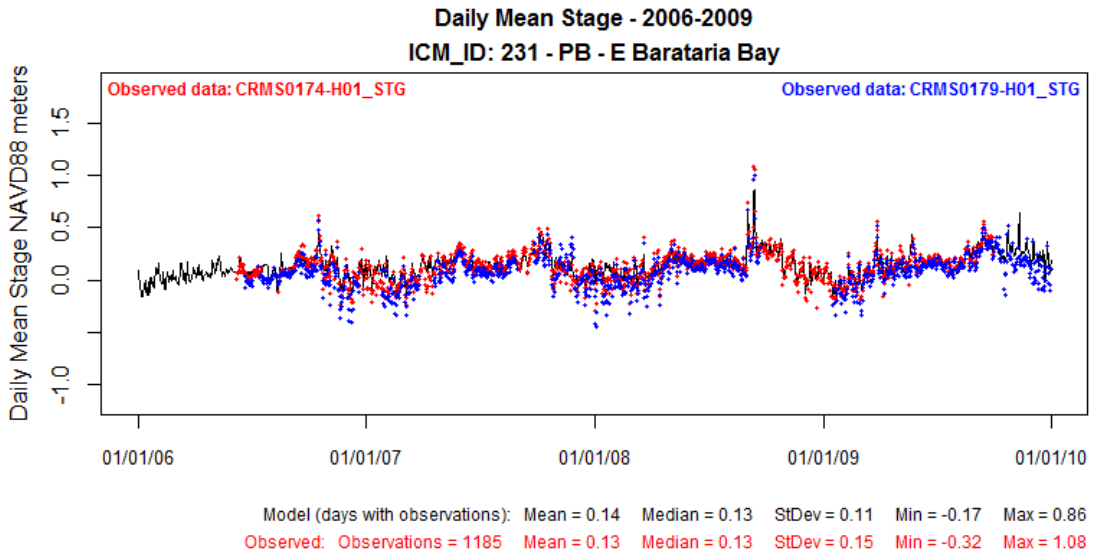


**Figure 110: Modeled Stage at ICM Compartment 231 (solid black line) Compared to Observed Data at CRMS0174-H01 for Validation Period 2006-2009.**

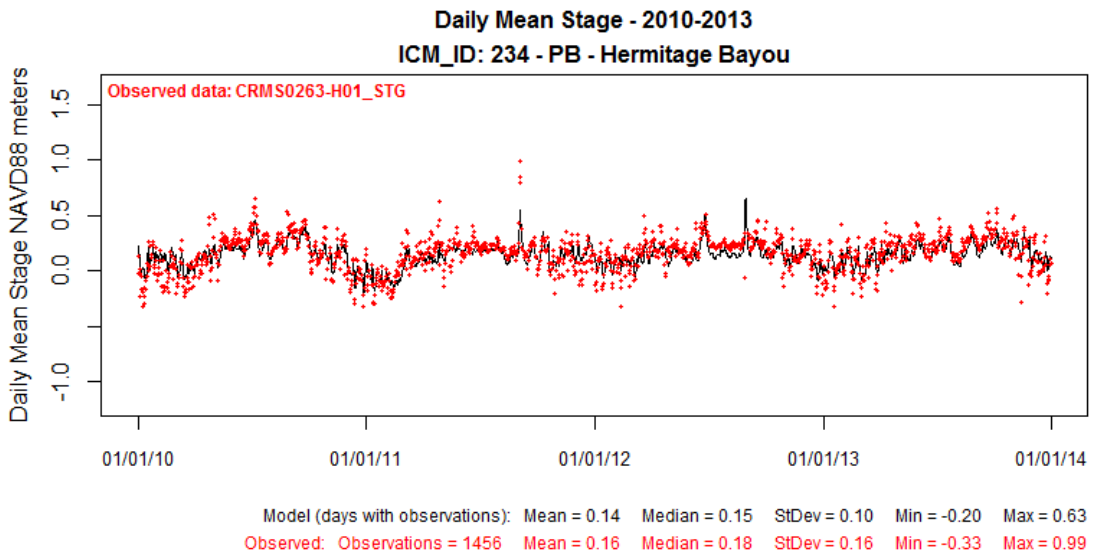


**Figure 111: Modeled Stage at ICM Compartment 234 (solid black line) Compared to Observed Data at CRMS0263-H01 for Calibration Period 2010-2013.**

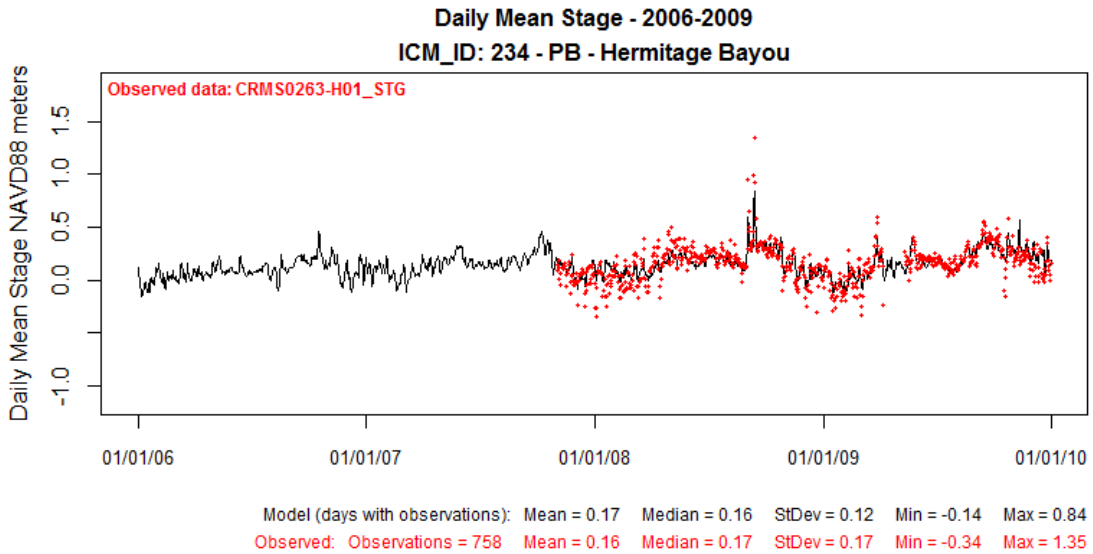


**Figure 112: Modeled Stage at ICM Compartment 234 (solid black line) Compared to Observed Data at CRMS0263-H01 for Validation Period 2006-2009.**

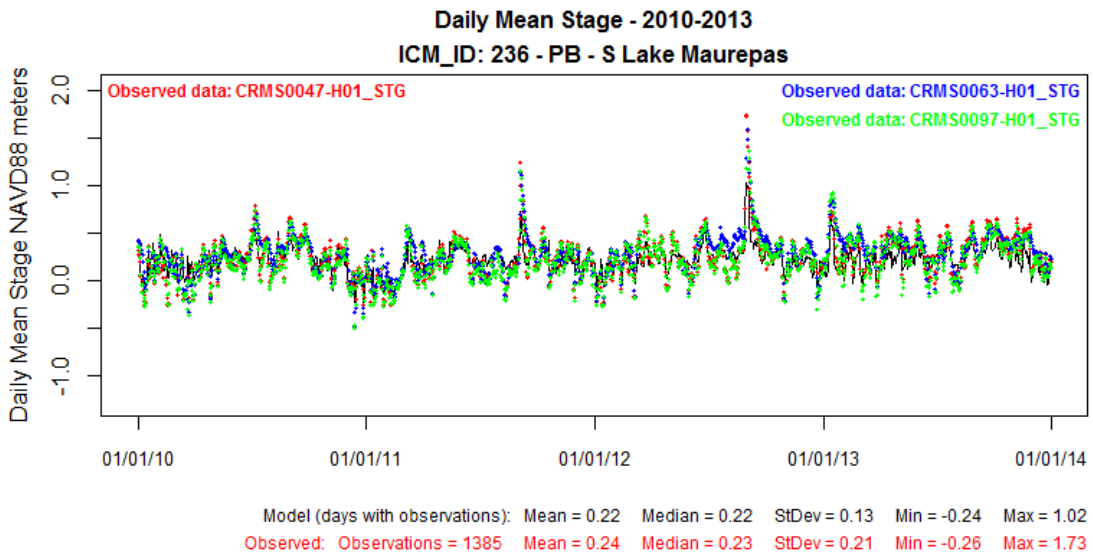


**Figure 113: Modeled Stage at ICM Compartment 236 (solid black line) Compared to Observed Data at CRMS0047-H01 for Calibration Period 2010-2013.**

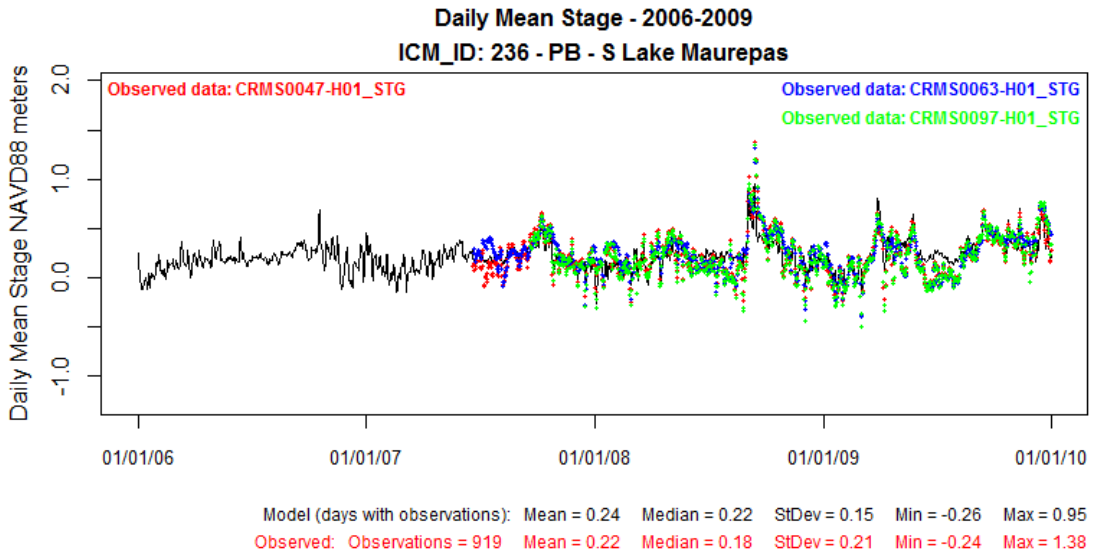


**Figure 114: Modeled Stage at ICM Compartment 236 (solid black line) Compared to Observed Data at CRMS0047-H01 for Validation Period 2006-2009.**

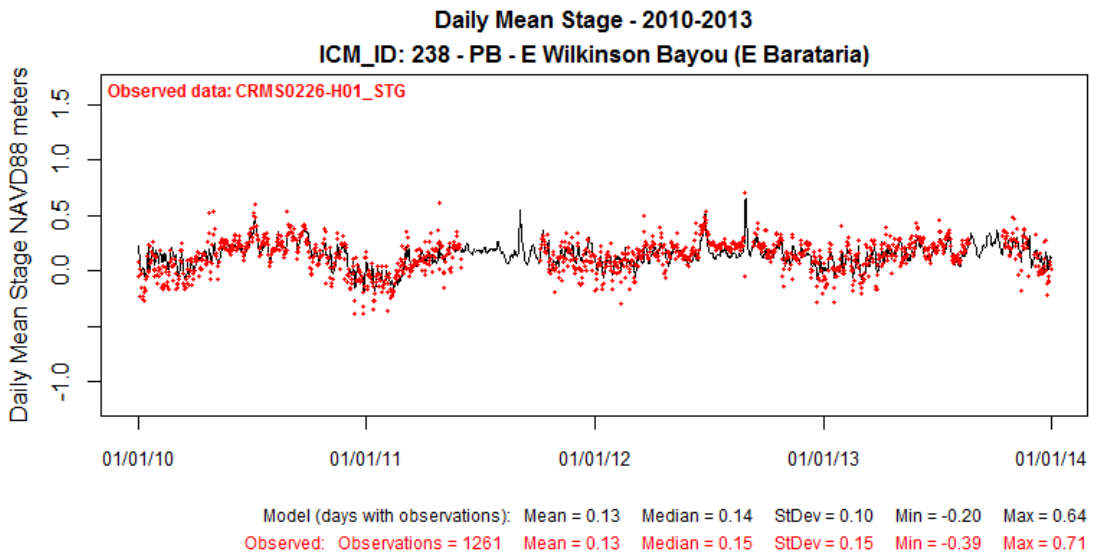


**Figure 115: Modeled Stage at ICM Compartment 238 (solid black line) Compared to Observed Data at CRMS0226-H01 for Calibration Period 2010-2013.**

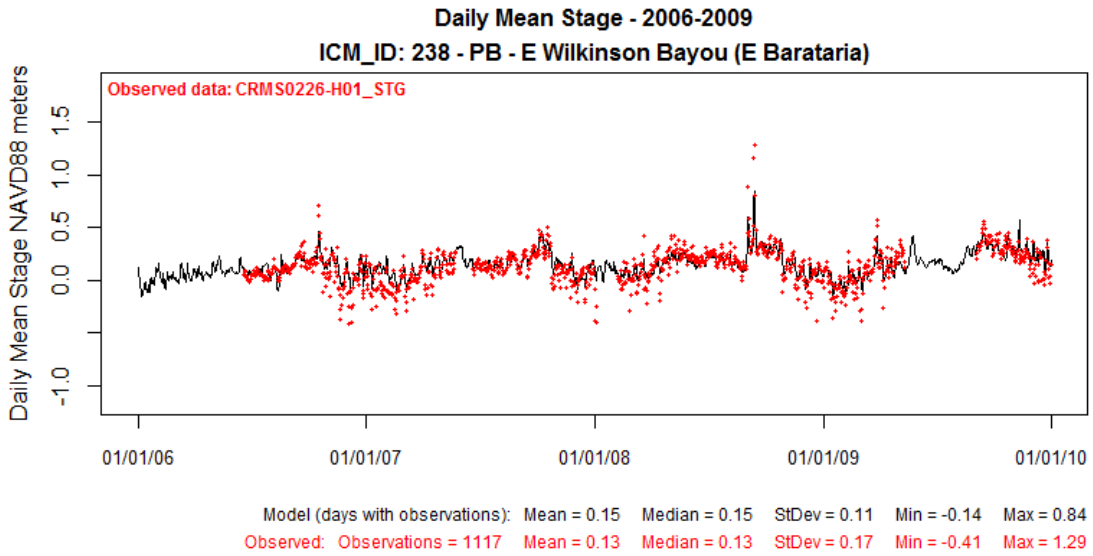


**Figure 116: Modeled Stage at ICM Compartment 238 (solid black line) Compared to Observed Data at CRMS0226-H01 for Validation Period 2006-2009.**

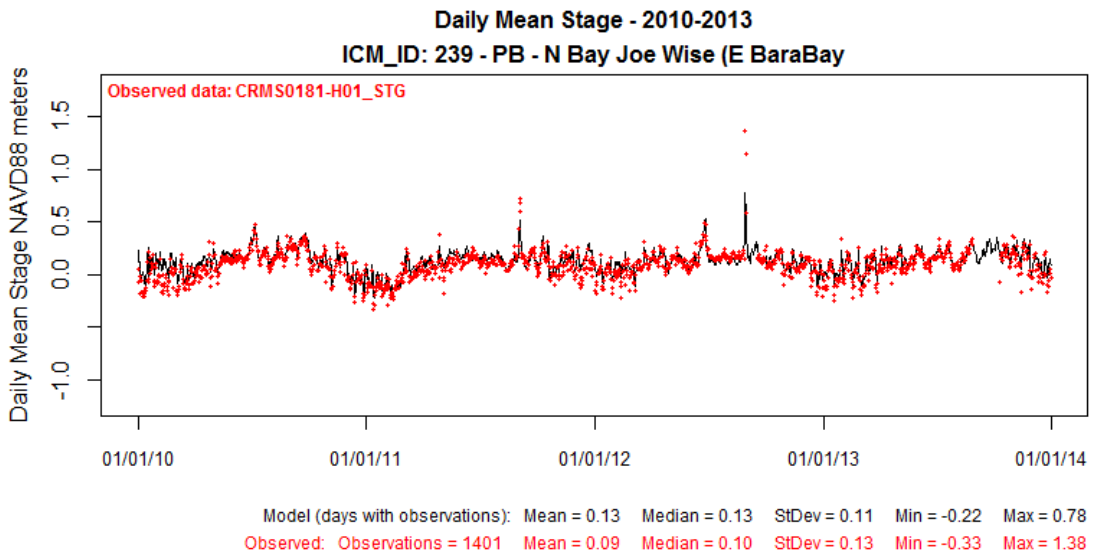


**Figure 117: Modeled Stage at ICM Compartment 239 (solid black line) Compared to Observed Data at CRMS0181-H01 for Calibration Period 2010-2013.**

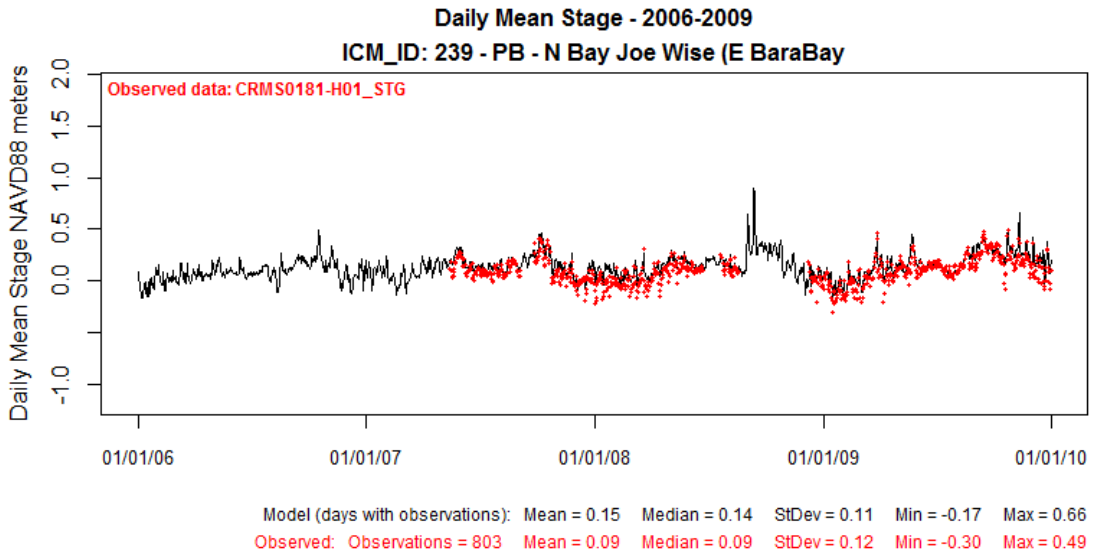


**Figure 118: Modeled Stage at ICM Compartment 239 (solid black line) Compared to Observed Data at CRMS0181-H01 for Validation Period 2006-2009.**

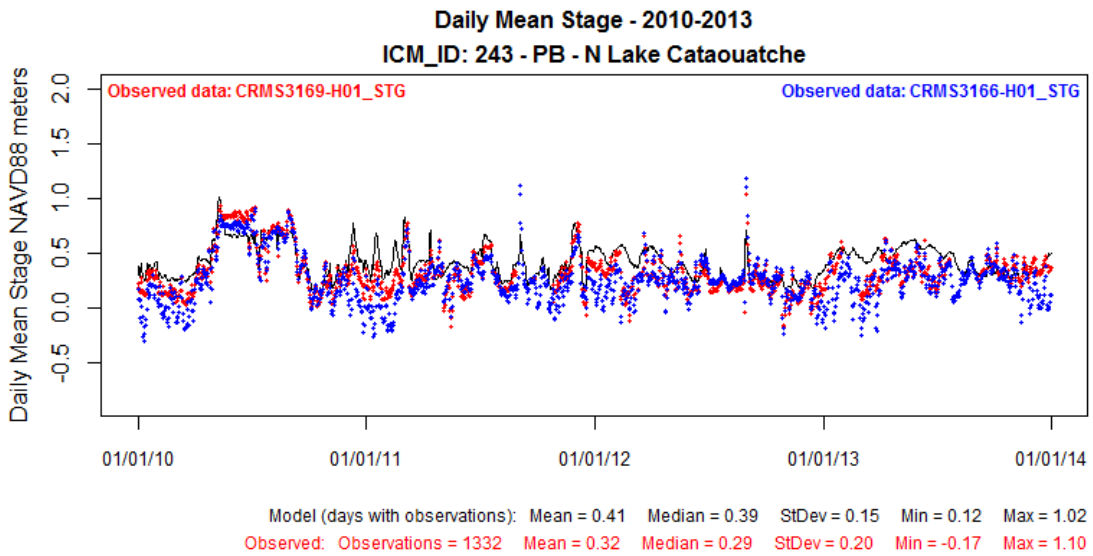


**Figure 119: Modeled Stage at ICM Compartment 243 (solid black line) Compared to Observed Data at CRMS3169-H01 for Calibration Period 2010-2013.**

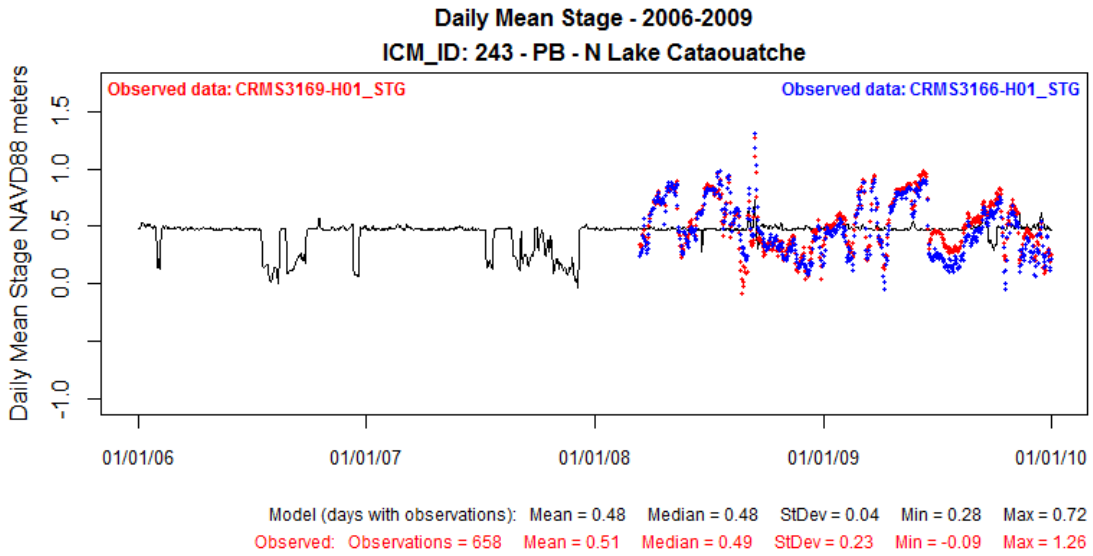


**Figure 120: Modeled Stage at ICM Compartment 243 (solid black line) Compared to Observed Data at CRMS3169-H01 for Validation Period 2006-2009.**

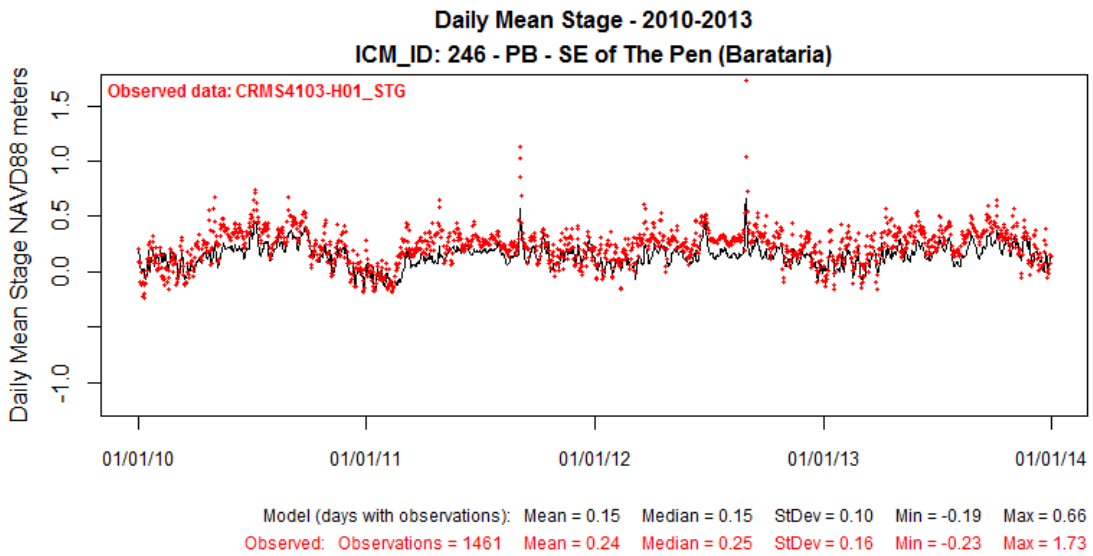


**Figure 121: Modeled Stage at ICM Compartment 246 (solid black line) Compared to Observed Data at CRMS4103-H01 for Calibration Period 2010-2013.**

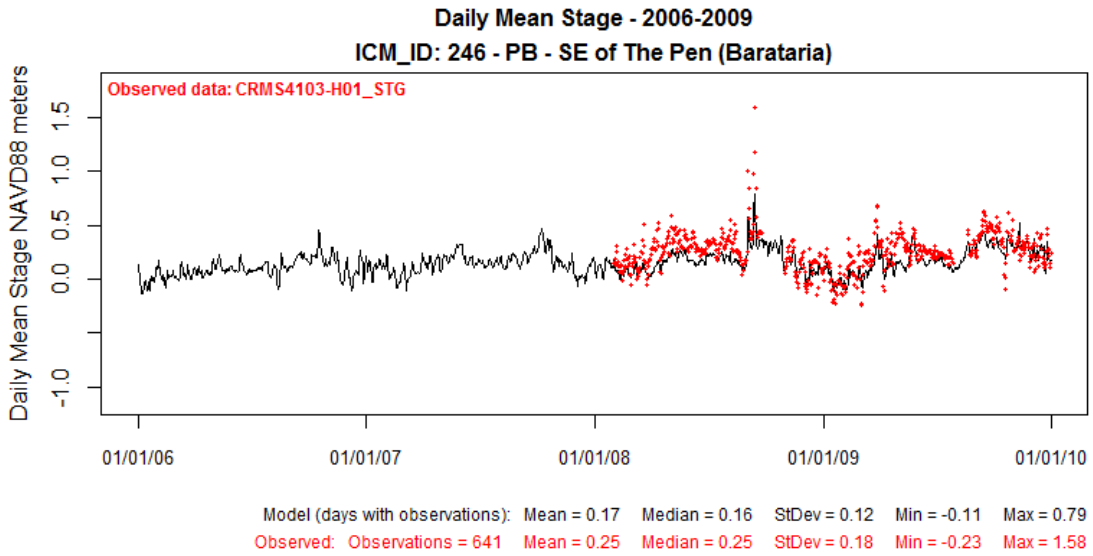


**Figure 122: Modeled Stage at ICM Compartment 246 (solid black line) Compared to Observed Data at CRMS4103-H01 for Validation Period 2006-2009.**

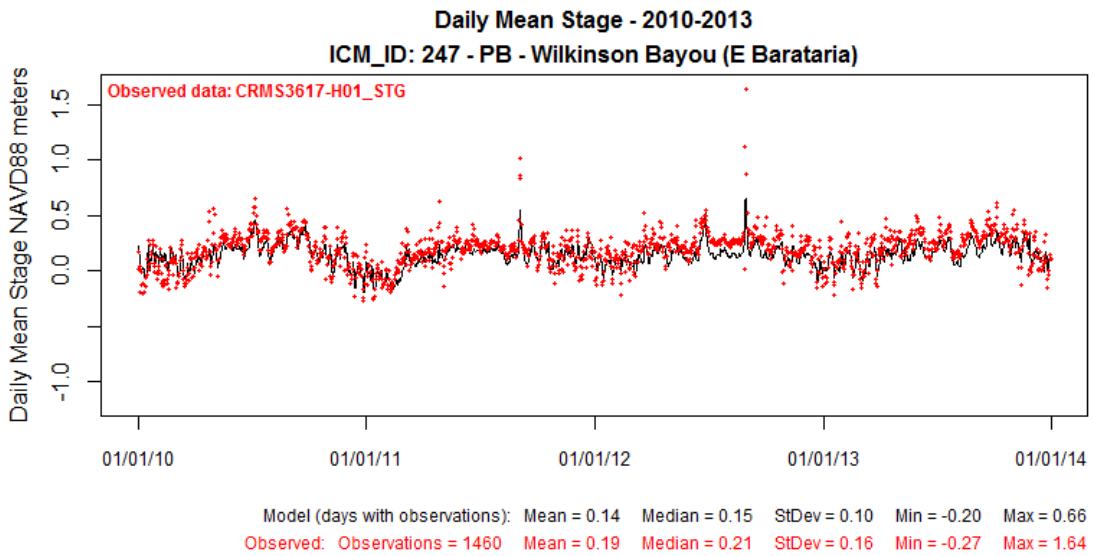


**Figure 123: Modeled Stage at ICM Compartment 247 (solid black line) Compared to Observed Data at CRMS3617-H01 for Calibration Period 2010-2013.**

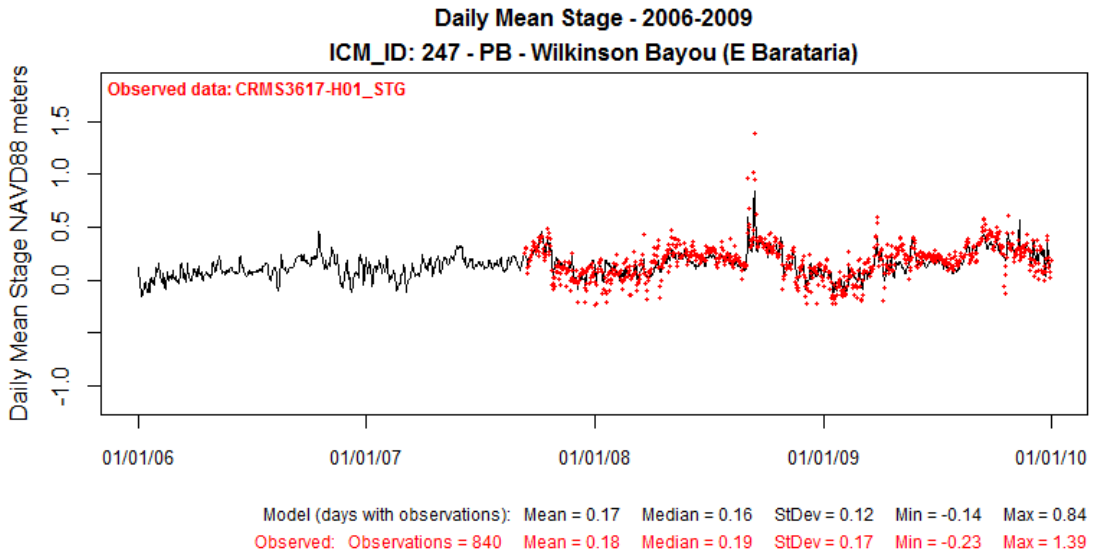


**Figure 124: Modeled Stage at ICM Compartment 247 (solid black line) Compared to Observed Data at CRMS3617-H01 for Validation Period 2006-2009.**

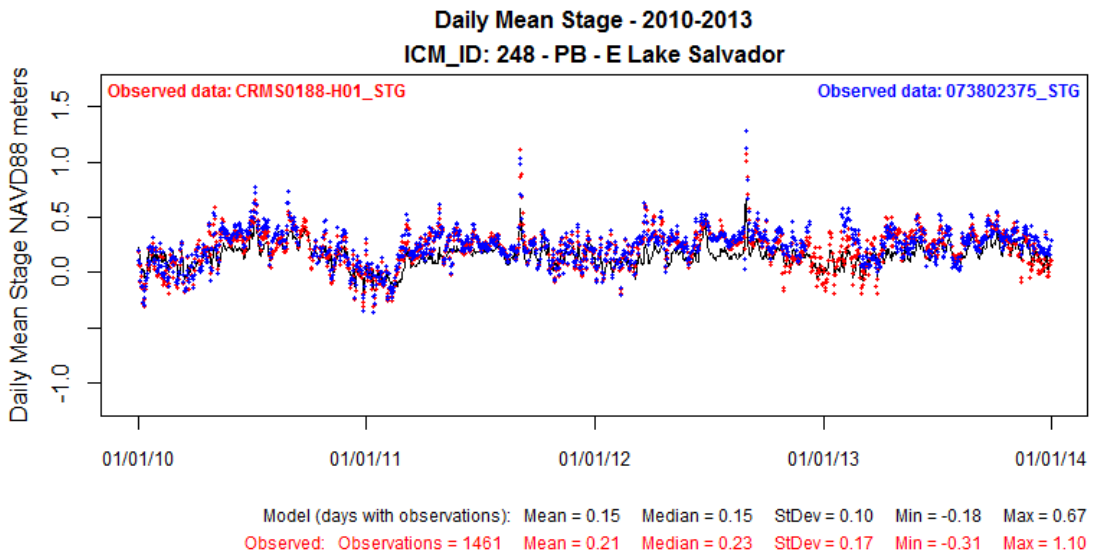


**Figure 125: Modeled Stage at ICM Compartment 248 (solid black line) Compared to Observed Data at CRMS0188-H01 for Calibration Period 2010-2013.**

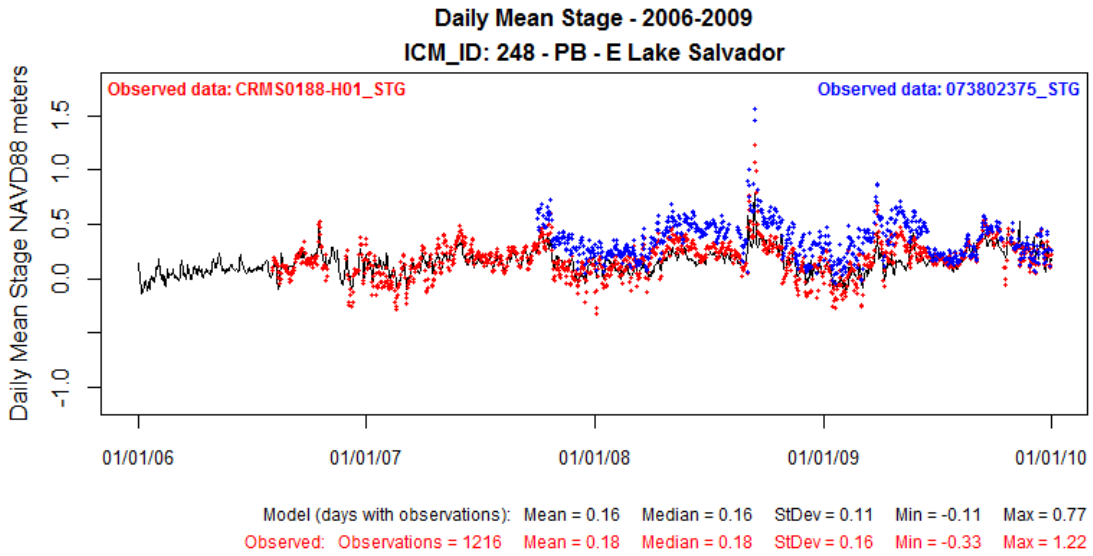


**Figure 126: Modeled Stage at ICM Compartment 248 (solid black line) Compared to Observed Data at CRMS0188-H01 for Validation Period 2006-2009.**

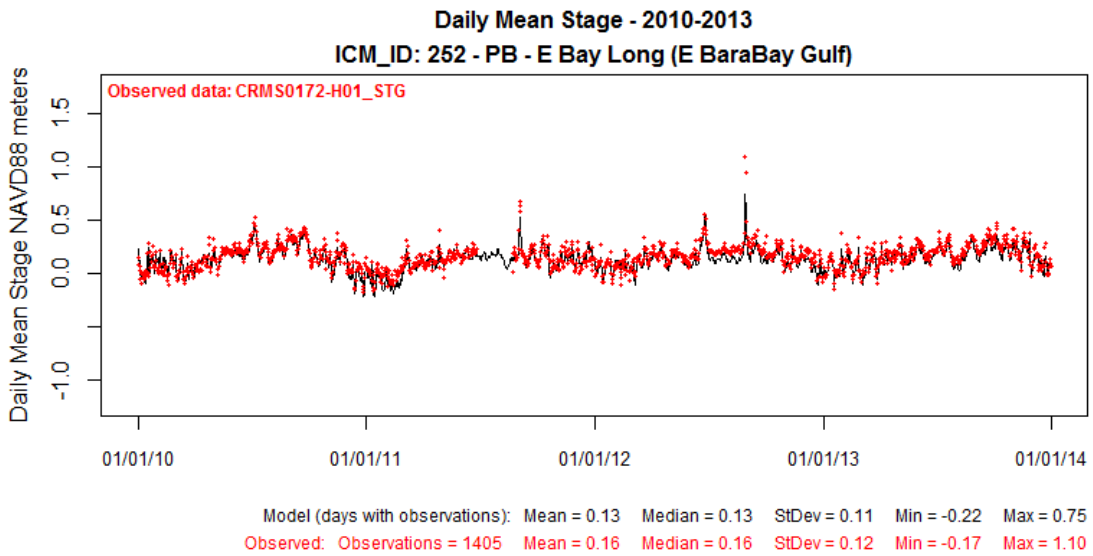


**Figure 127: Modeled Stage at ICM Compartment 252 (solid black line) Compared to Observed Data at CRMS0172-H01 for Calibration Period 2010-2013.**

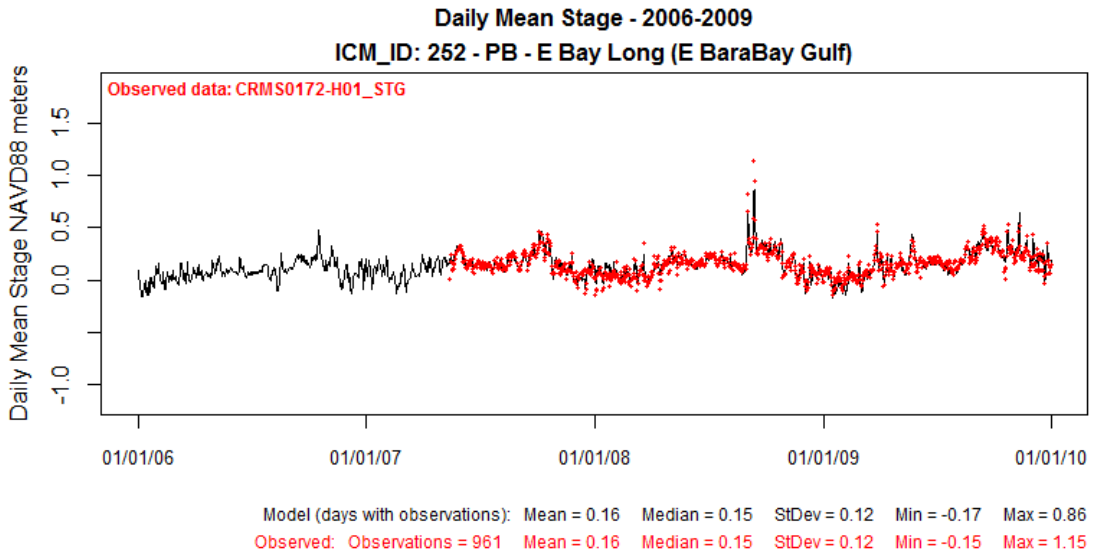


**Figure 128: Modeled Stage at ICM Compartment 252 (solid black line) Compared to Observed Data at CRMS0172-H01 for Validation Period 2006-2009.**

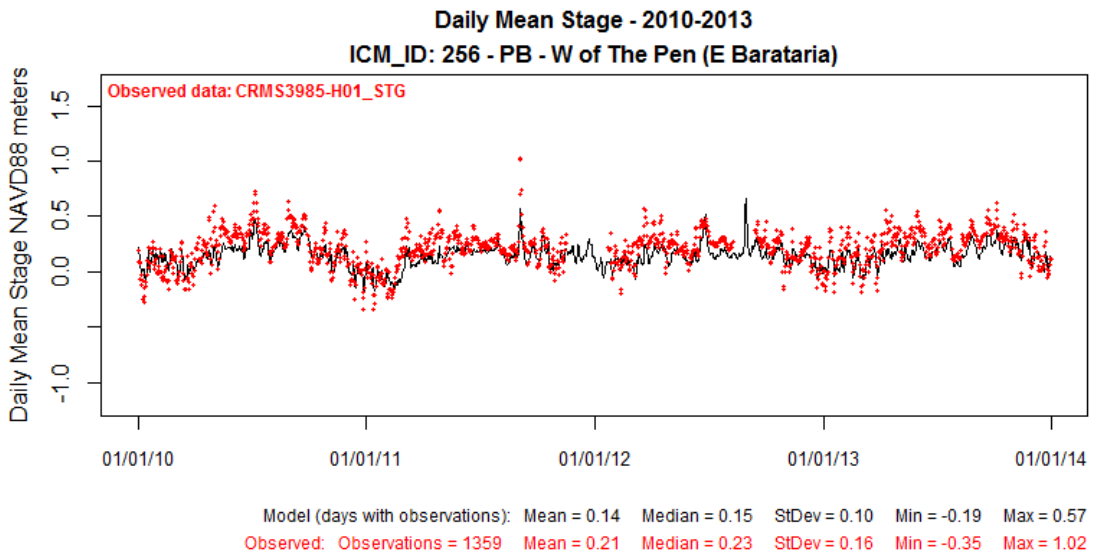


**Figure 129: Modeled Stage at ICM Compartment 256 (solid black line) Compared to Observed Data at CRMS3985-H01 for Calibration Period 2010-2013.**

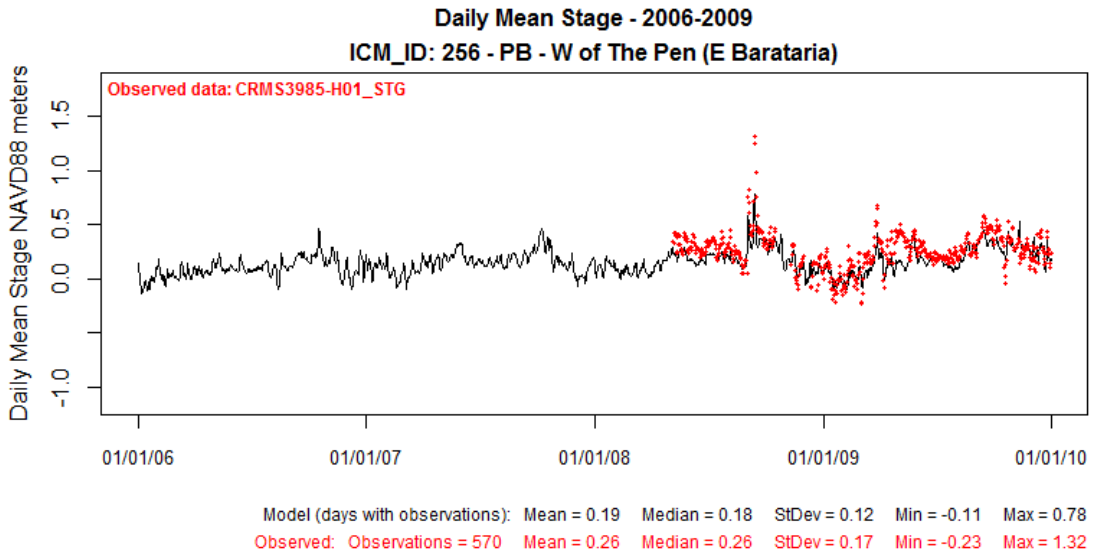


**Figure 130: Modeled Stage at ICM Compartment 256 (solid black line) Compared to Observed Data at CRMS3985-H01 for Validation Period 2006-2009.**

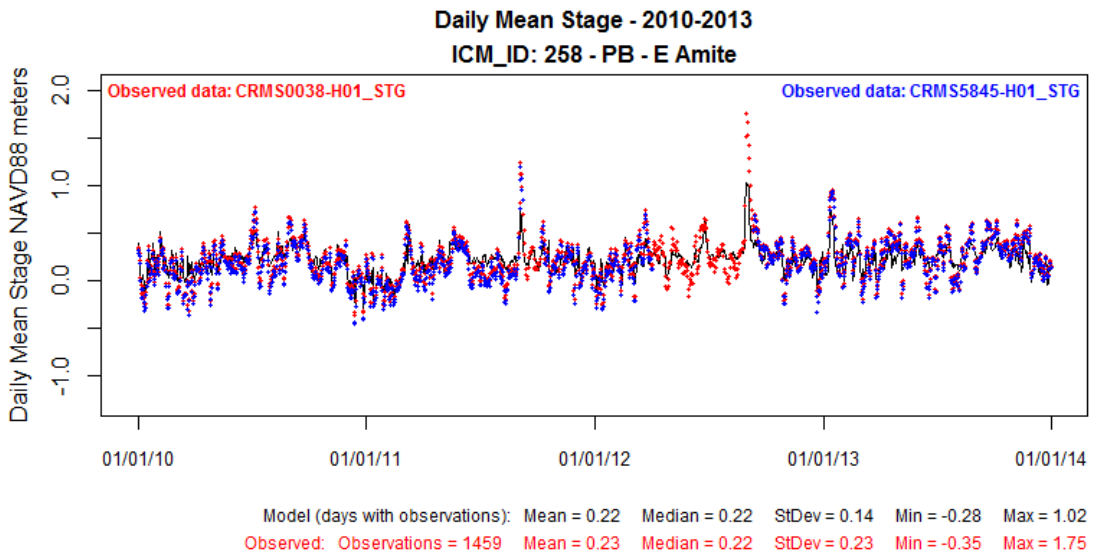


**Figure 131: Modeled Stage at ICM Compartment 258 (solid black line) Compared to Observed Data at CRMS0038-H01 for Calibration Period 2010-2013.**

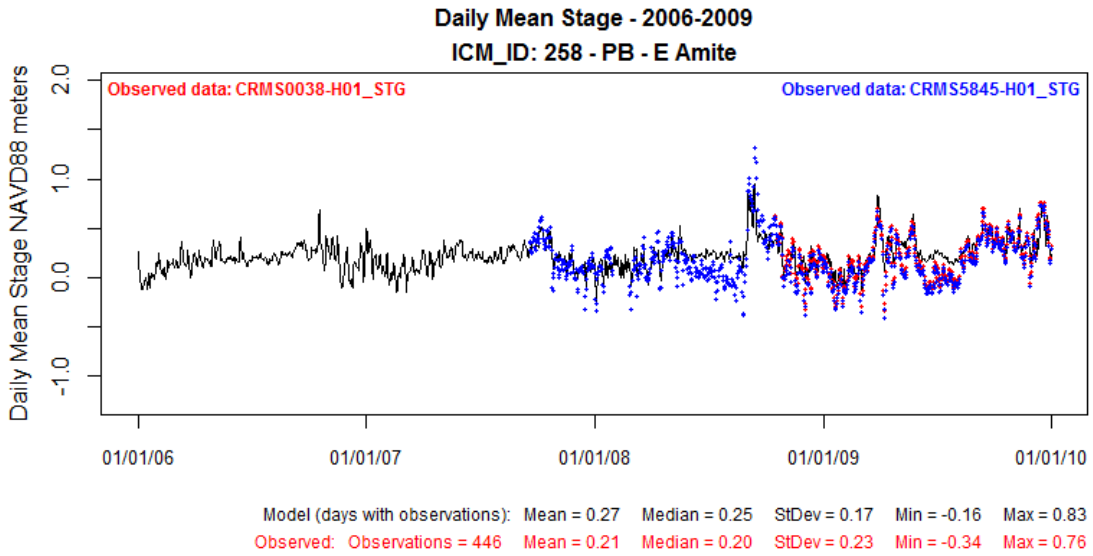


**Figure 132: Modeled Stage at ICM Compartment 258 (solid black line) Compared to Observed Data at CRMS0038-H01 for Validation Period 2006-2009.**

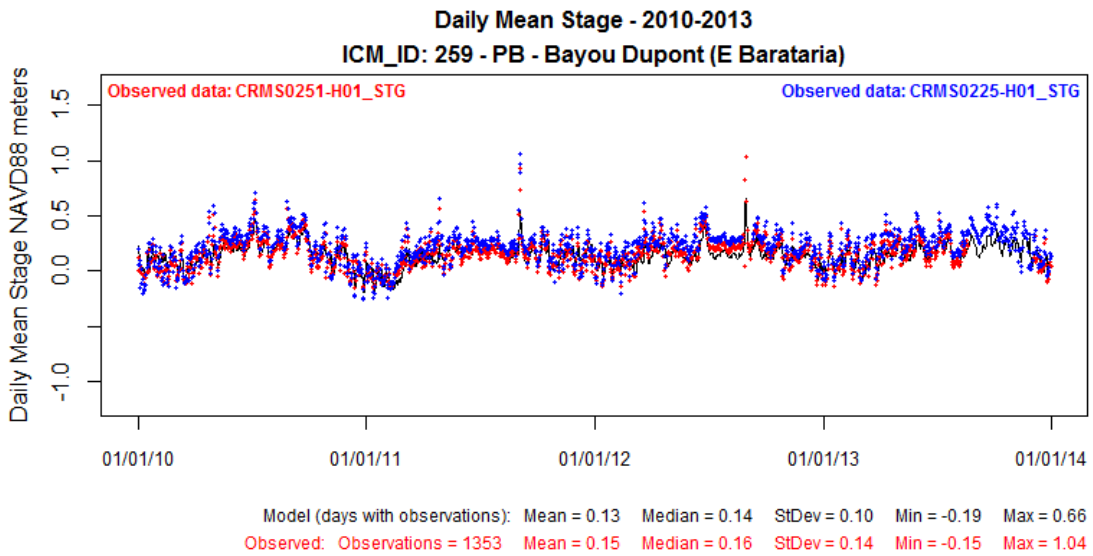


**Figure 133: Modeled Stage at ICM Compartment 259 (solid black line) Compared to Observed Data at CRMS0251-H01 for Calibration Period 2010-2013.**

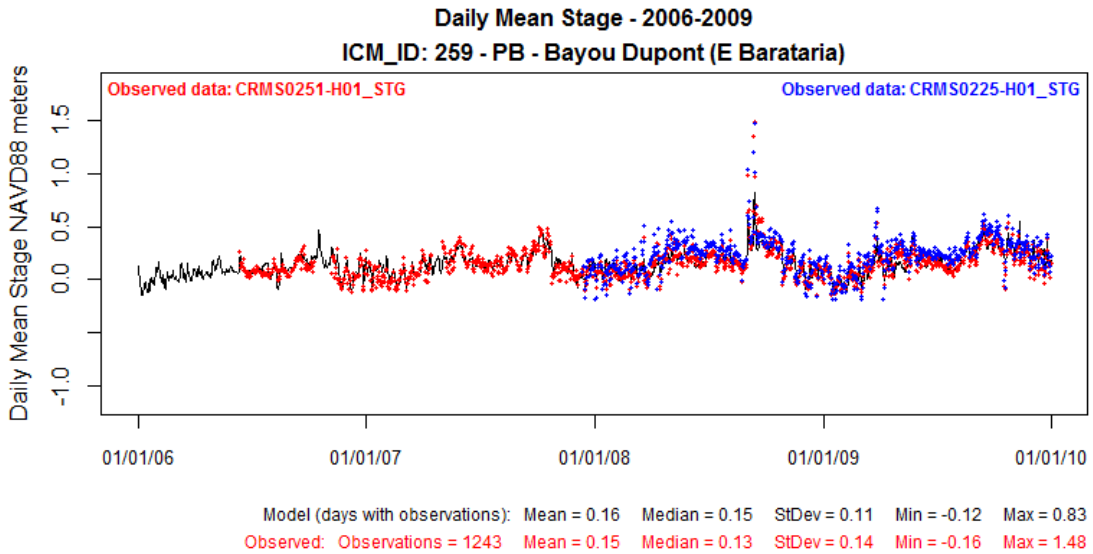


**Figure 134: Modeled Stage at ICM Compartment 259 (solid black line) Compared to Observed Data at CRMS0251-H01 for Validation Period 2006-2009.**

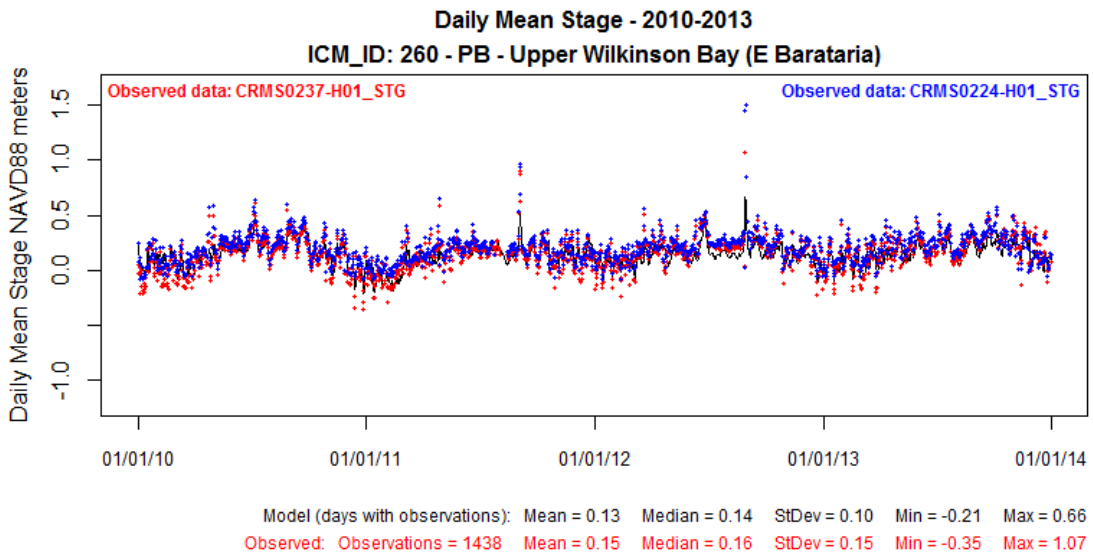


**Figure 135: Modeled Stage at ICM Compartment 260 (solid black line) Compared to Observed Data at CRMS0237-H01 for Calibration Period 2010-2013.**

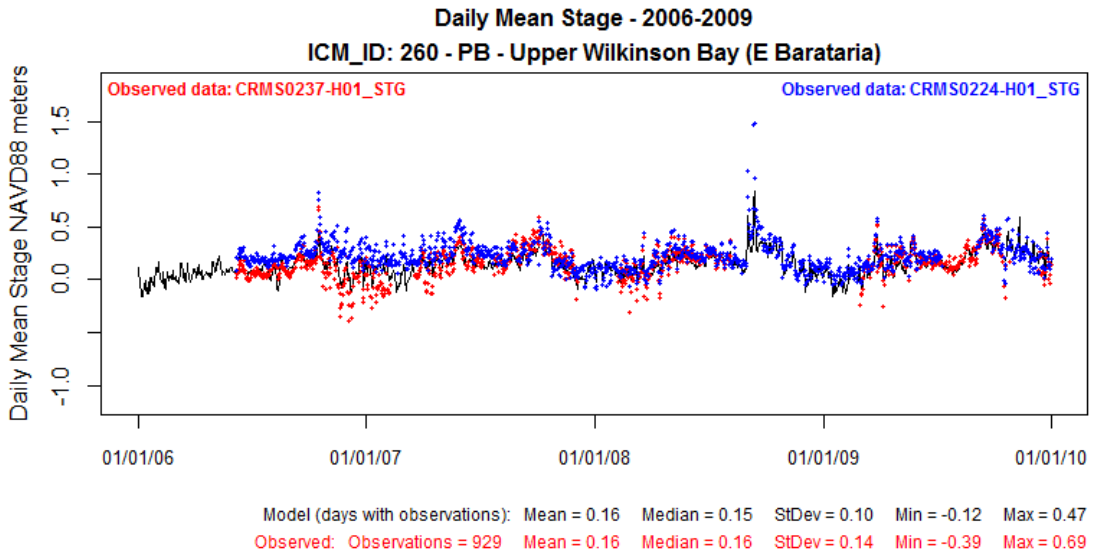


**Figure 136: Modeled Stage at ICM Compartment 260 (solid black line) Compared to Observed Data at CRMS0237-H01 for Validation Period 2006-2009.**

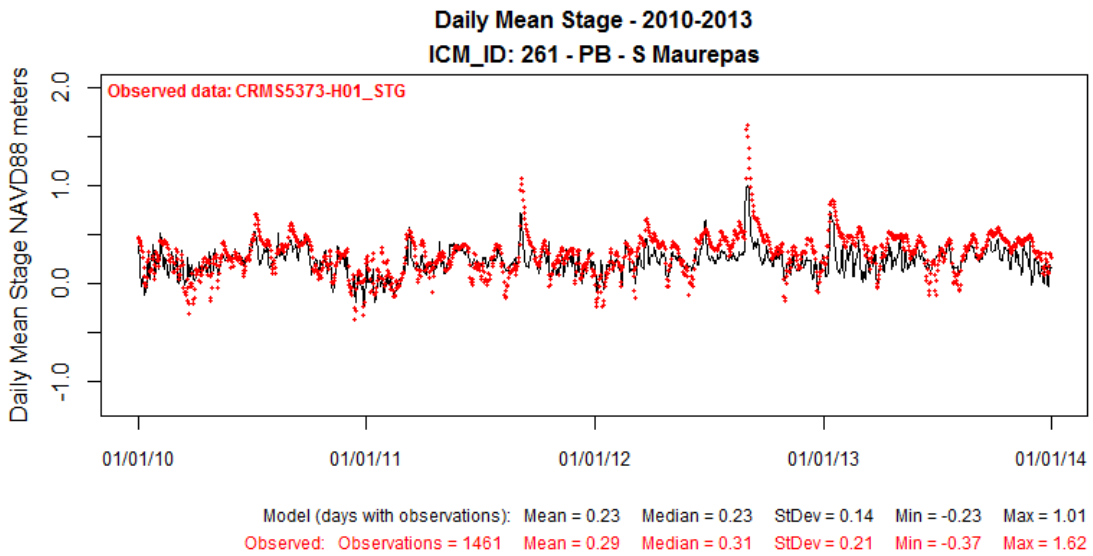


**Figure 137: Modeled Stage at ICM Compartment 261 (solid black line) Compared to Observed Data at CRMS5373-H01 for Calibration Period 2010-2013.**

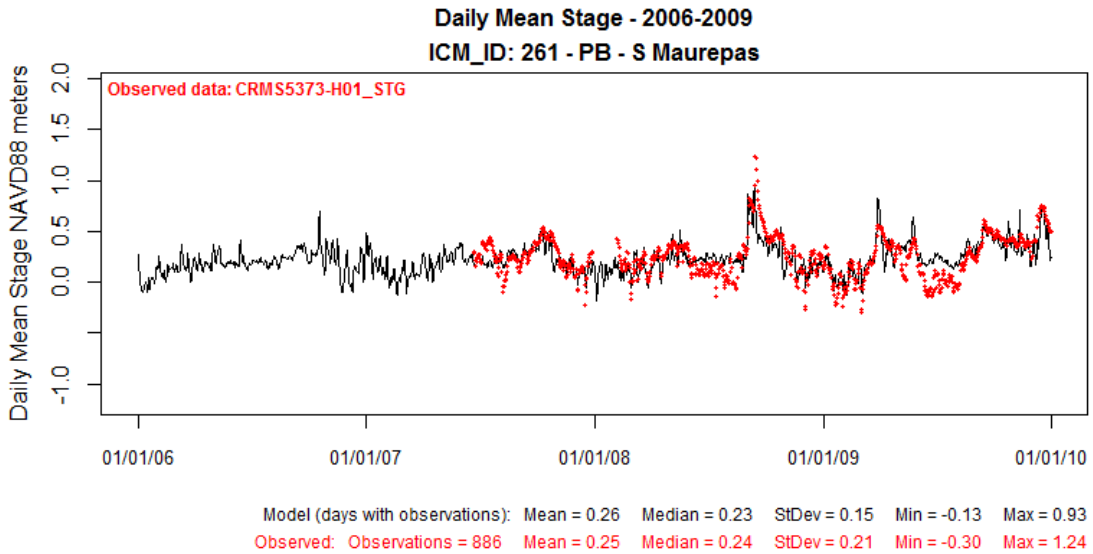


**Figure 138: Modeled Stage at ICM Compartment 261 (solid black line) Compared to Observed Data at CRMS5373-H01 for Validation Period 2006-2009.**

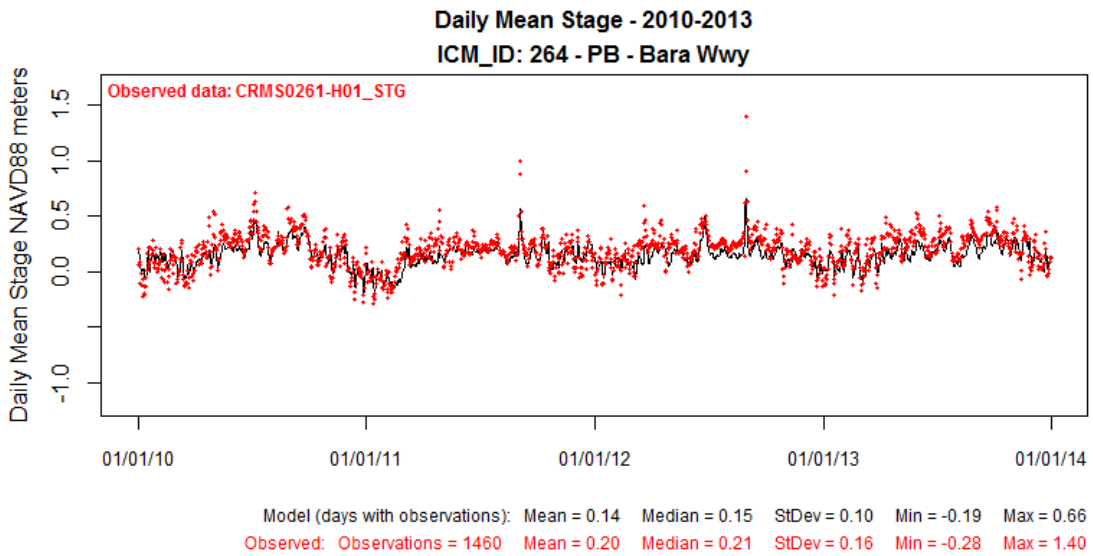


**Figure 139: Modeled Stage at ICM Compartment 264 (solid black line) Compared to Observed Data at CRMS0261-H01 for Calibration Period 2010-2013.**

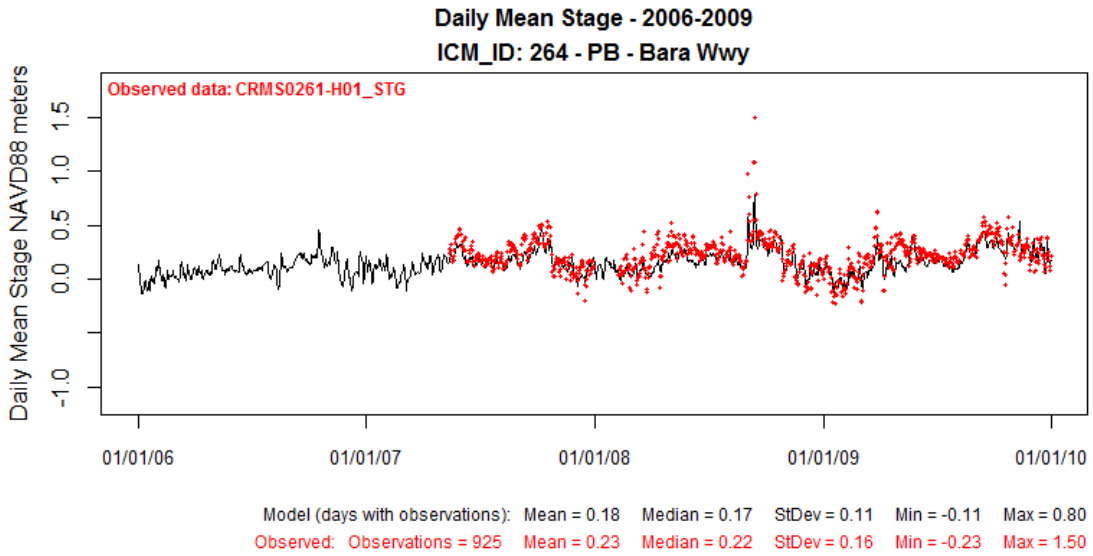


**Figure 140: Modeled Stage at ICM Compartment 264 (solid black line) Compared to Observed Data at CRMS0261-H01 for Validation Period 2006-2009.**

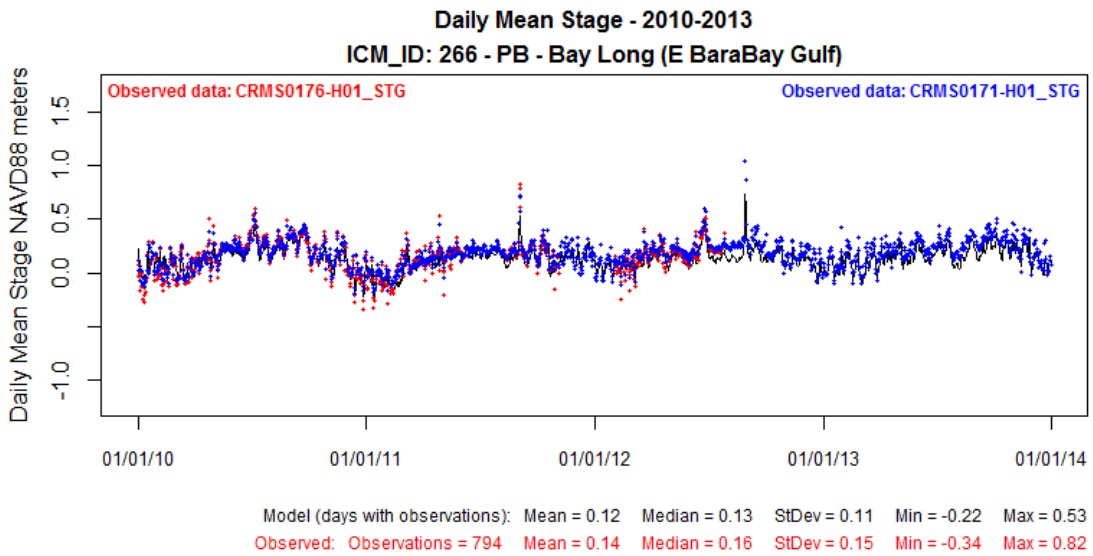


**Figure 141: Modeled Stage at ICM Compartment 266 (solid black line) Compared to Observed Data at CRMS0176-H01 for Calibration Period 2010-2013.**

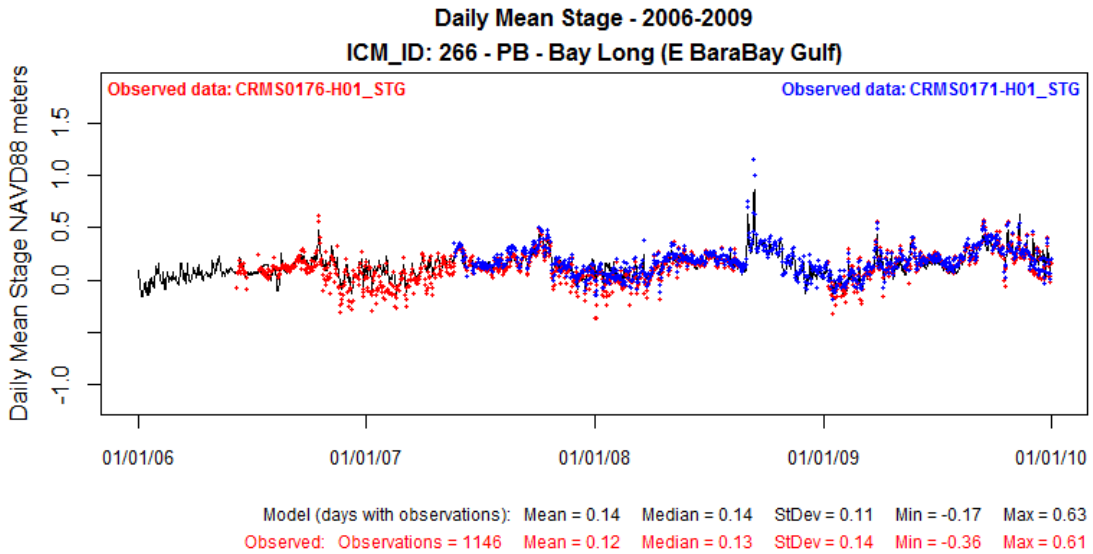


**Figure 142: Modeled Stage at ICM Compartment 266 (solid black line) Compared to Observed Data at CRMS0176-H01 for Validation Period 2006-2009.**

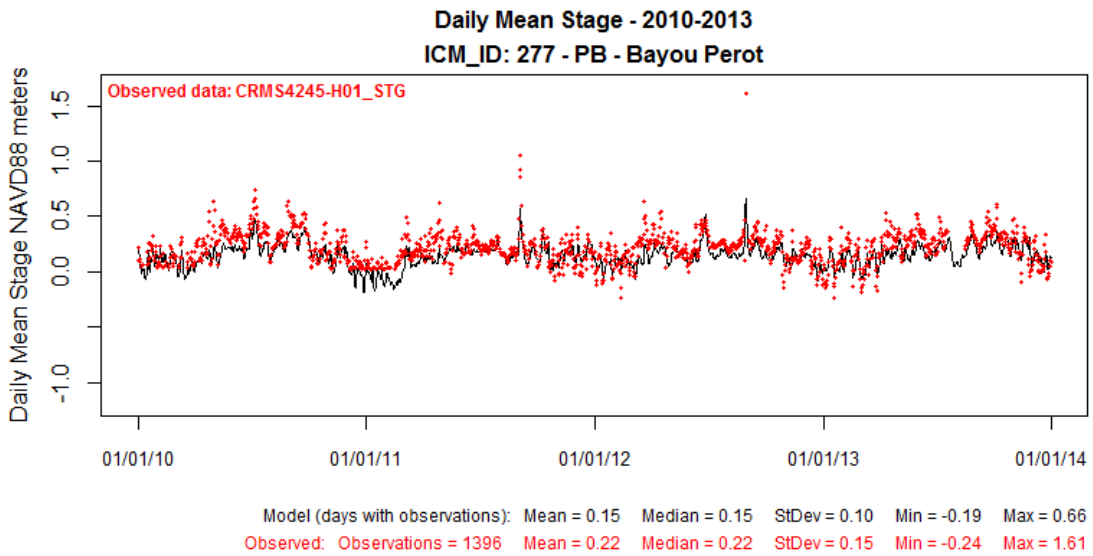


**Figure 143: Modeled Stage at ICM Compartment 277 (solid black line) Compared to Observed Data at CRMS4245-H01 for Calibration Period 2010-2013.**

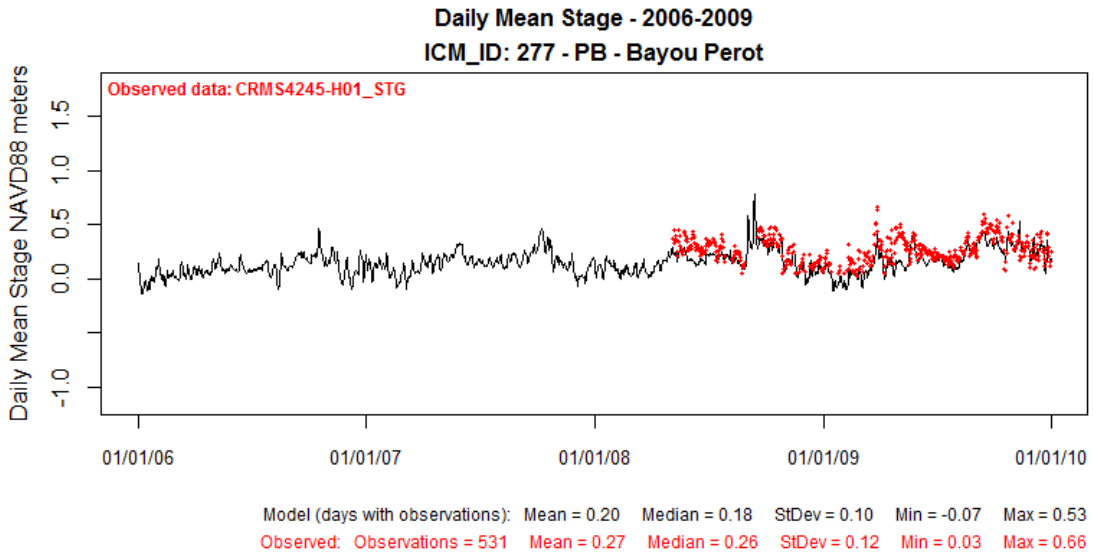


**Figure 144: Modeled Stage at ICM Compartment 277 (solid black line) Compared to Observed Data at CRMS4245-H01 for Validation Period 2006-2009.**

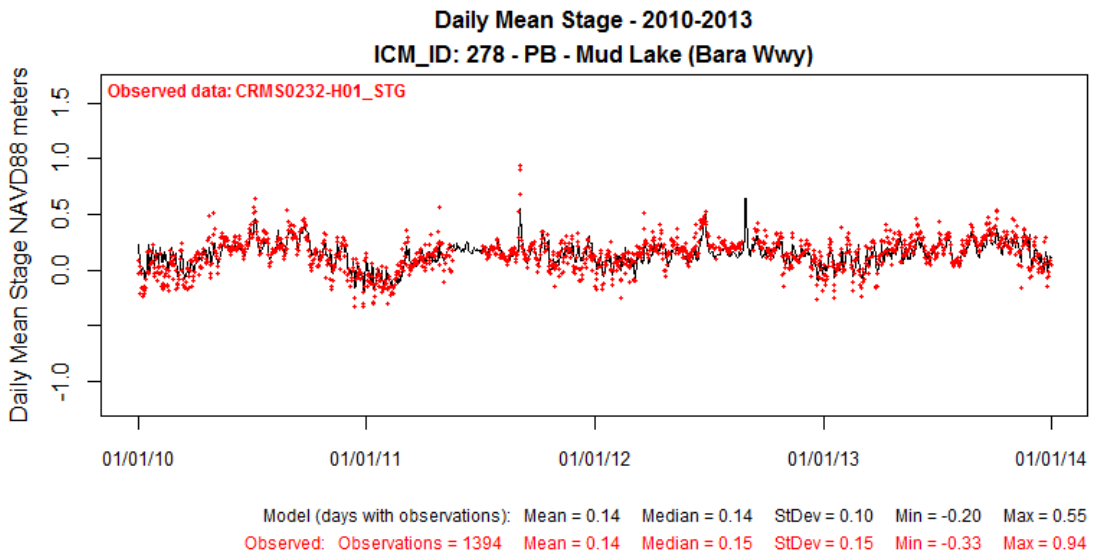


**Figure 145: Modeled Stage at ICM Compartment 278 (solid black line) Compared to Observed Data at CRMS0232-H01 for Calibration Period 2010-2013.**

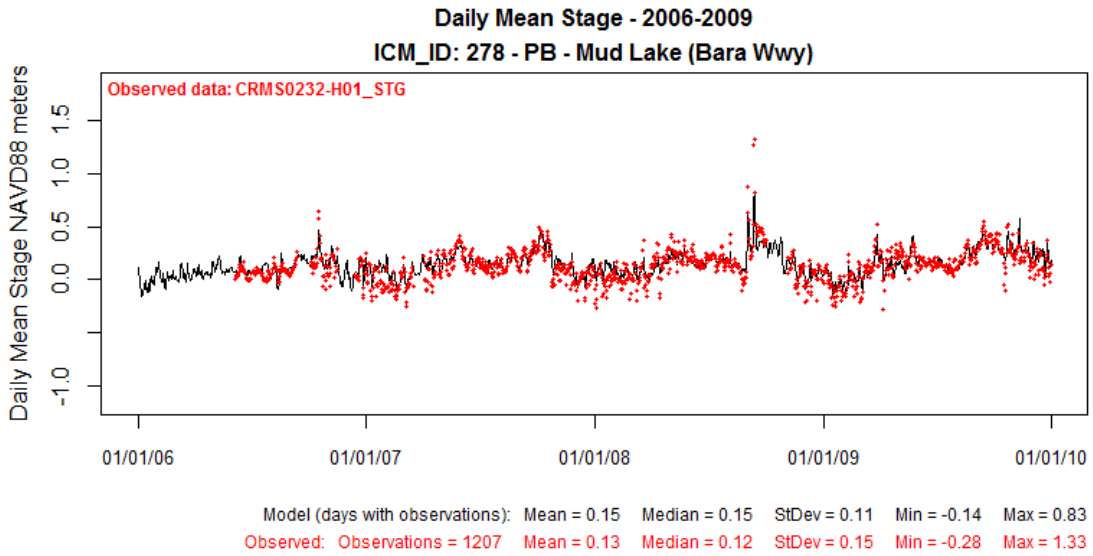


**Figure 146: Modeled Stage at ICM Compartment 278 (solid black line) Compared to Observed Data at CRMS0232-H01 for Validation Period 2006-2009.**

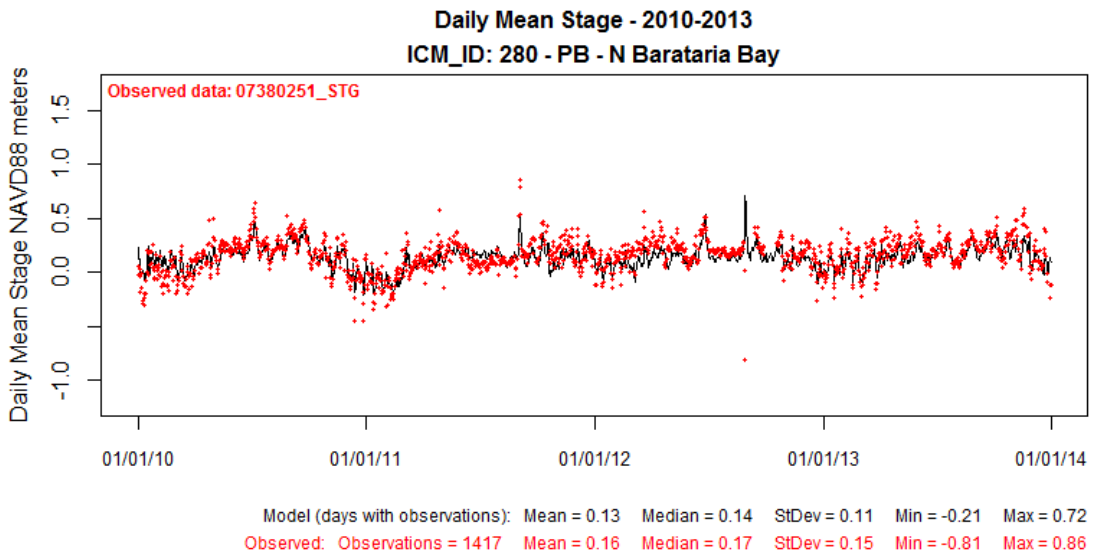


**Figure 147: Modeled Stage at ICM Compartment 280 (solid black line) Compared to Observed Data at USGS07380251 for Calibration Period 2010-2013.**

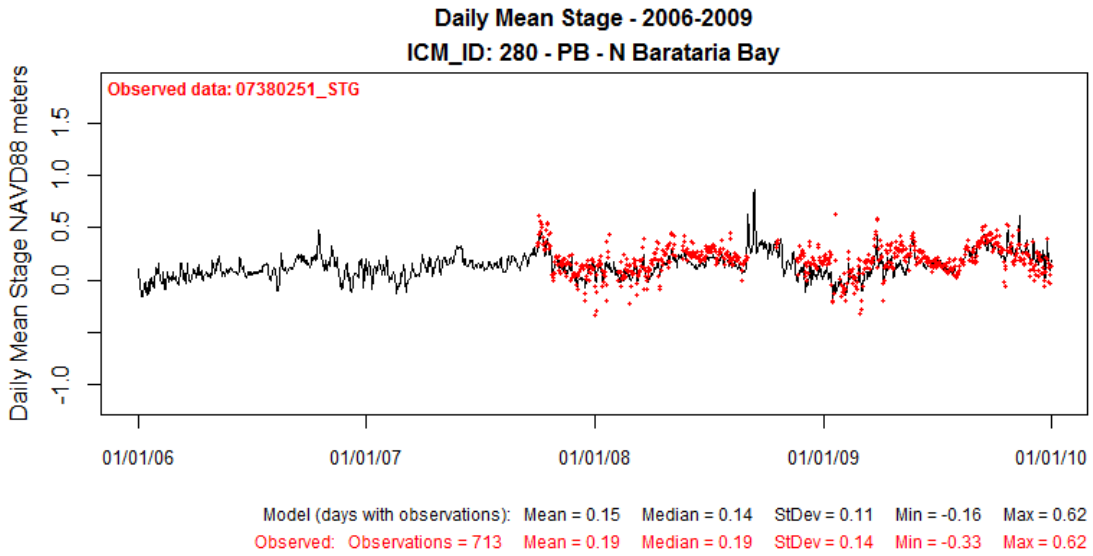


**Figure 148: Modeled Stage at ICM Compartment 280 (solid black line) Compared to Observed Data at USGS07380251 for Validation Period 2006-2009.**

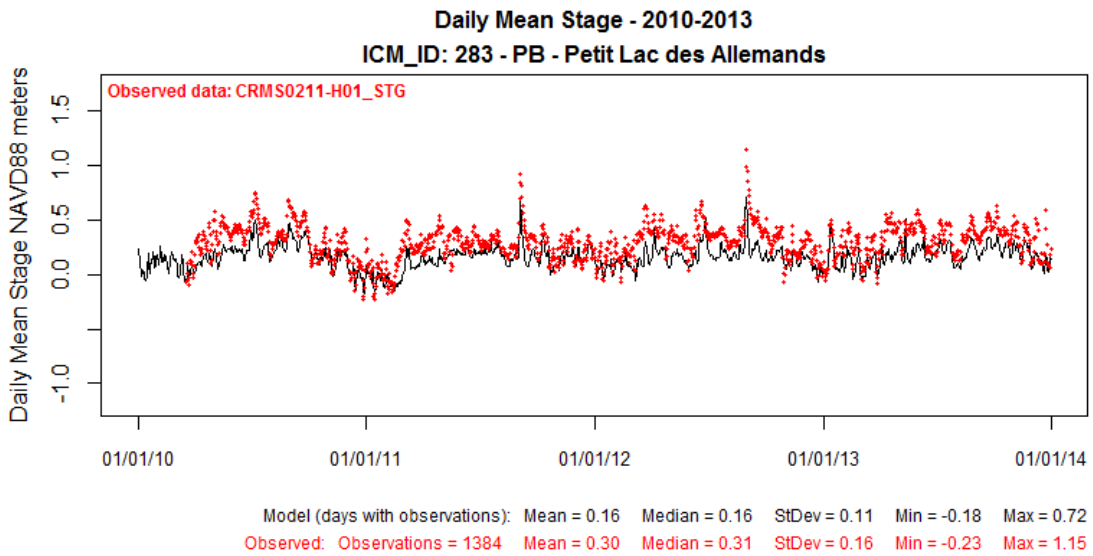


**Figure 149: Modeled Stage at ICM Compartment 283 (solid black line) Compared to Observed Data at CRMS0211-H01 for Calibration Period 2010-2013.**

**Figure 150: No Validation figure for ICM Compartment 283.**

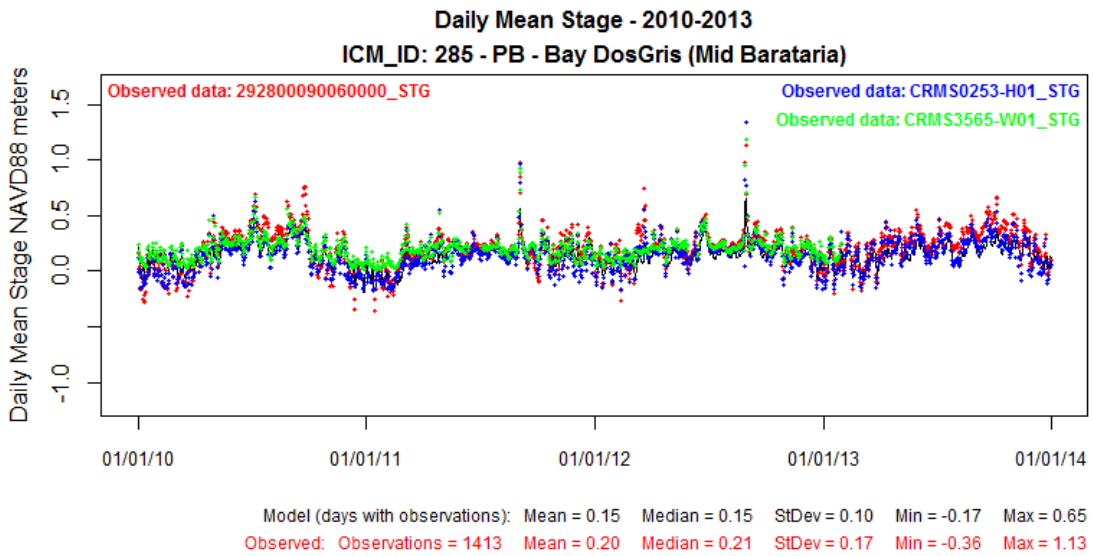


**Figure 151: Modeled Stage at ICM Compartment 285 (solid black line) Compared to Observed Data at USGS292800090060000 for Calibration Period 2010-2013.**

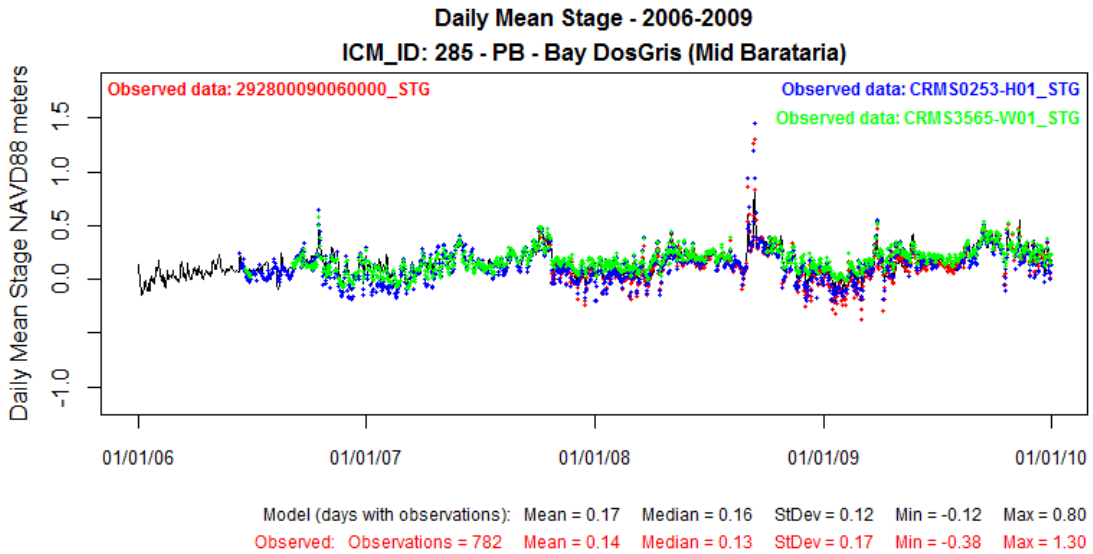


**Figure 152: Modeled Stage at ICM Compartment 285 (solid black line) Compared to Observed Data at USGS292800090060000 for Validation Period 2006-2009.**

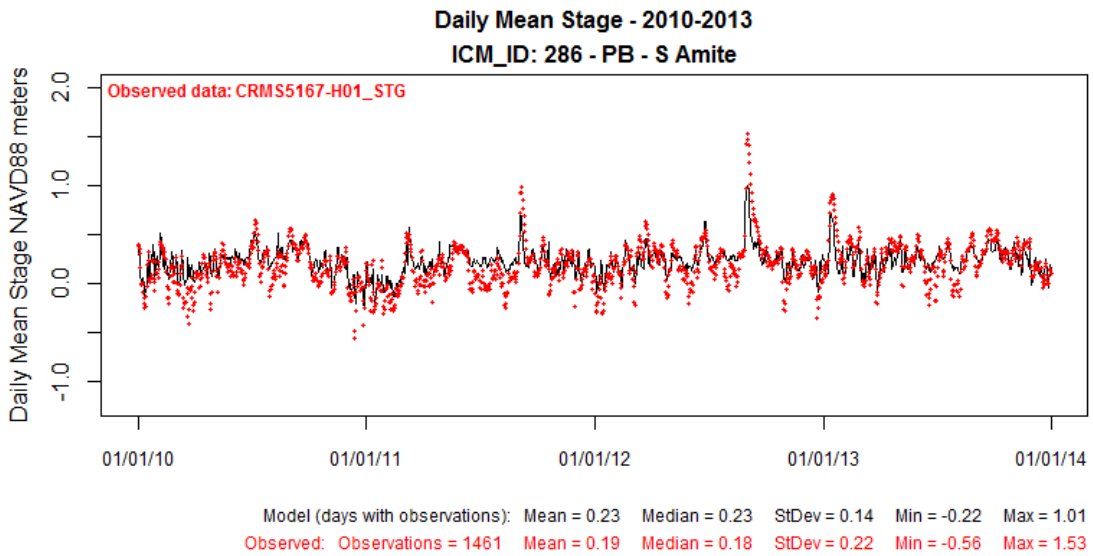


**Figure 153: Modeled Stage at ICM Compartment 286 (solid black line) Compared to Observed Data at CRMS5167-H01 for Calibration Period 2010-2013.**

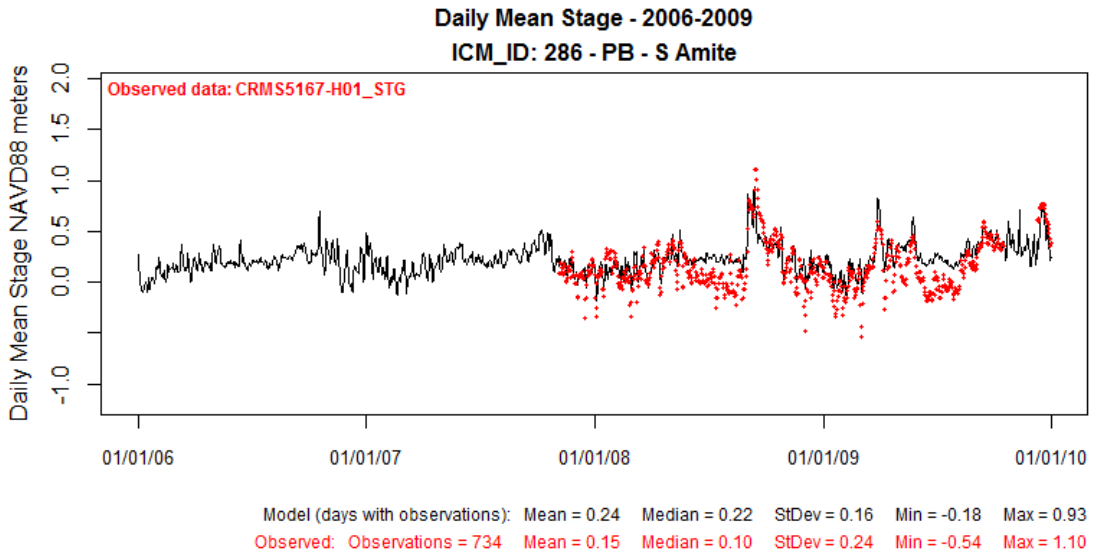


**Figure 154: Modeled Stage at ICM Compartment 286 (solid black line) Compared to Observed Data at CRMS5167-H01 for Validation Period 2006-2009.**

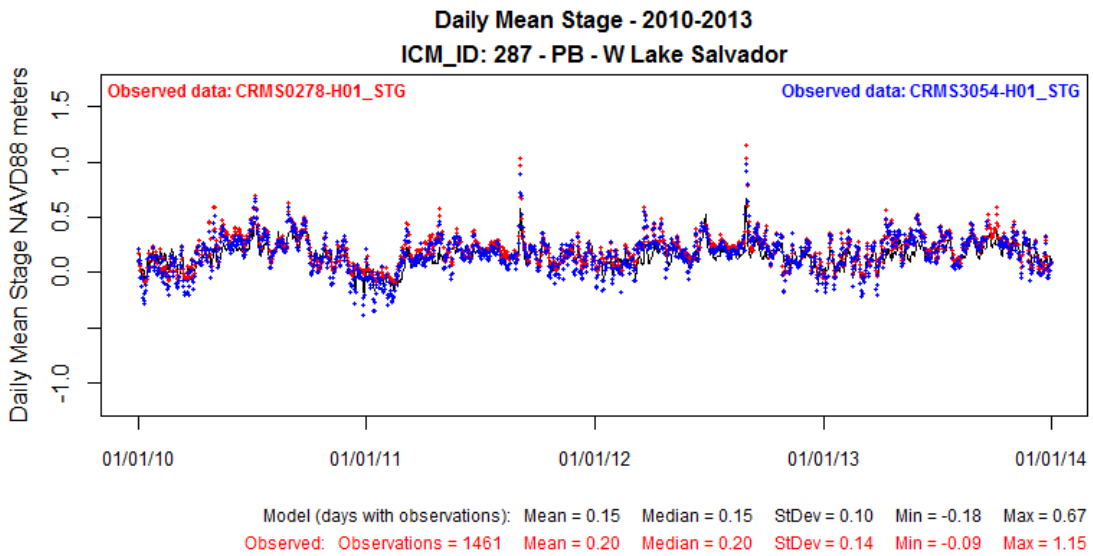


**Figure 155: Modeled Stage at ICM Compartment 287 (solid black line) Compared to Observed Data at CRMS0278-H01 for Calibration Period 2010-2013.**

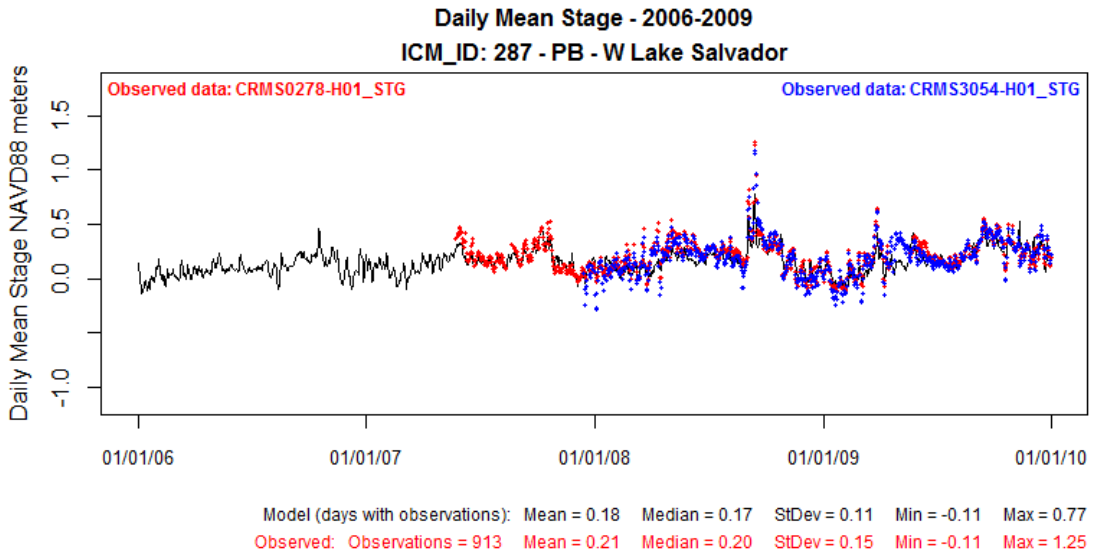


**Figure 156: Modeled Stage at ICM Compartment 287 (solid black line) Compared to Observed Data at CRMS0278-H01 for Validation Period 2006-2009.**

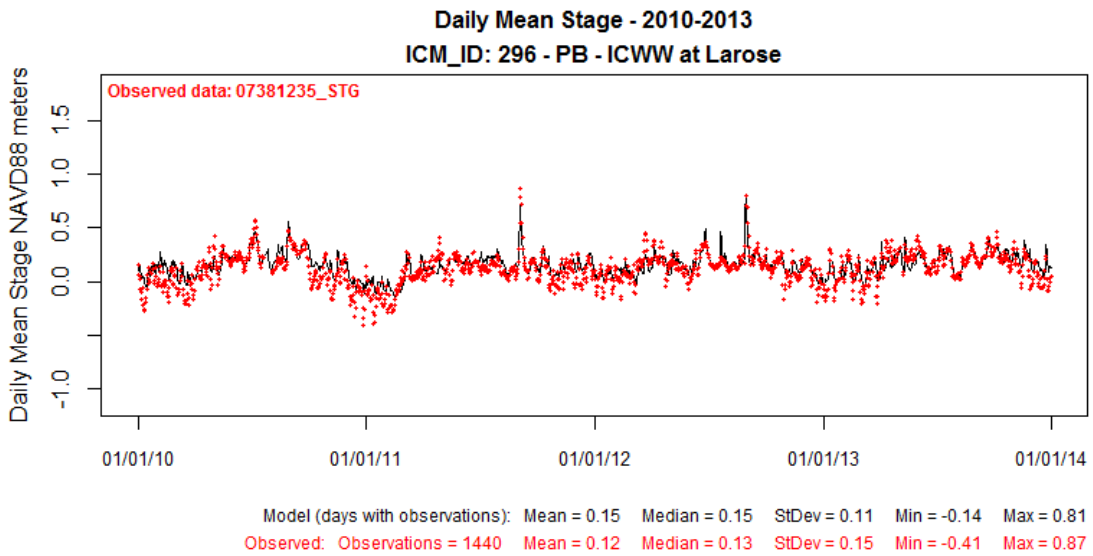


**Figure 157: Modeled Stage at ICM Compartment 296 (solid black line) Compared to Observed Data at USGS07381235 for Calibration Period 2010-2013.**

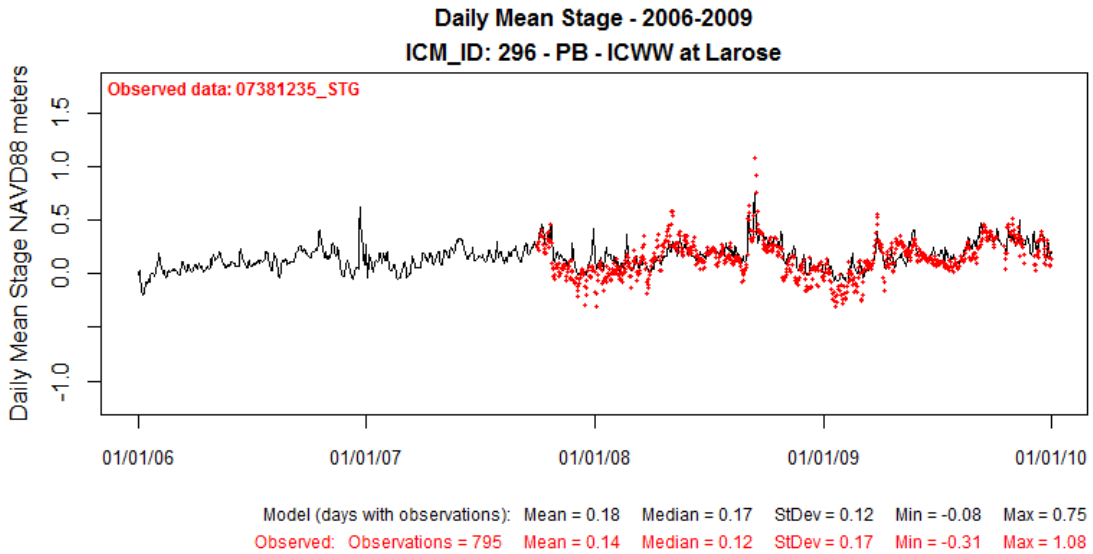


**Figure 158: Modeled Stage at ICM Compartment 296 (solid black line) Compared to Observed Data at USGS07381235 for Validation Period 2006-2009.**

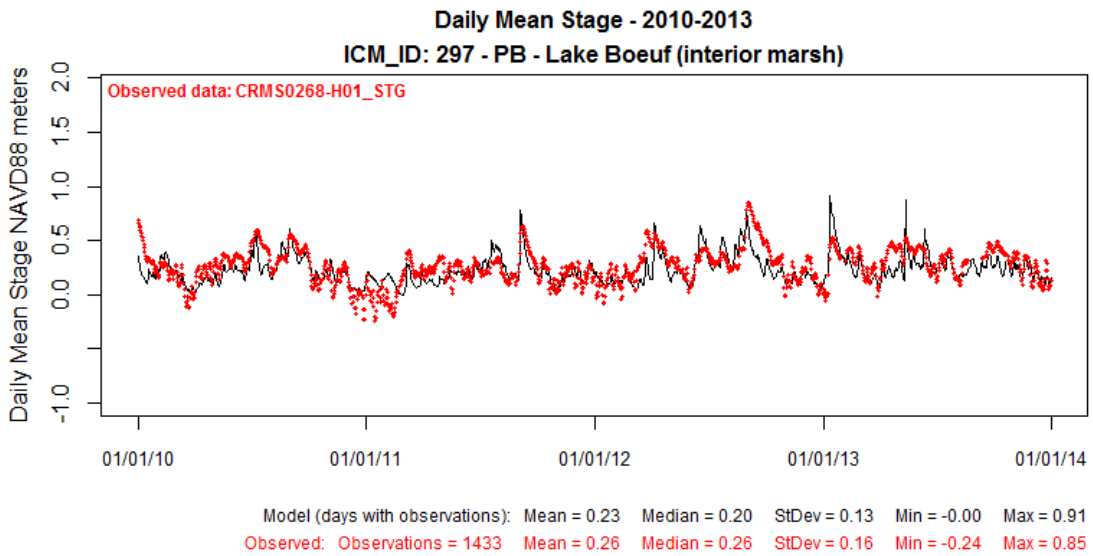


**Figure 159: Modeled Stage at ICM Compartment 297 (solid black line) Compared to Observed Data at CRMS0268-H01 for Calibration Period 2010-2013.**

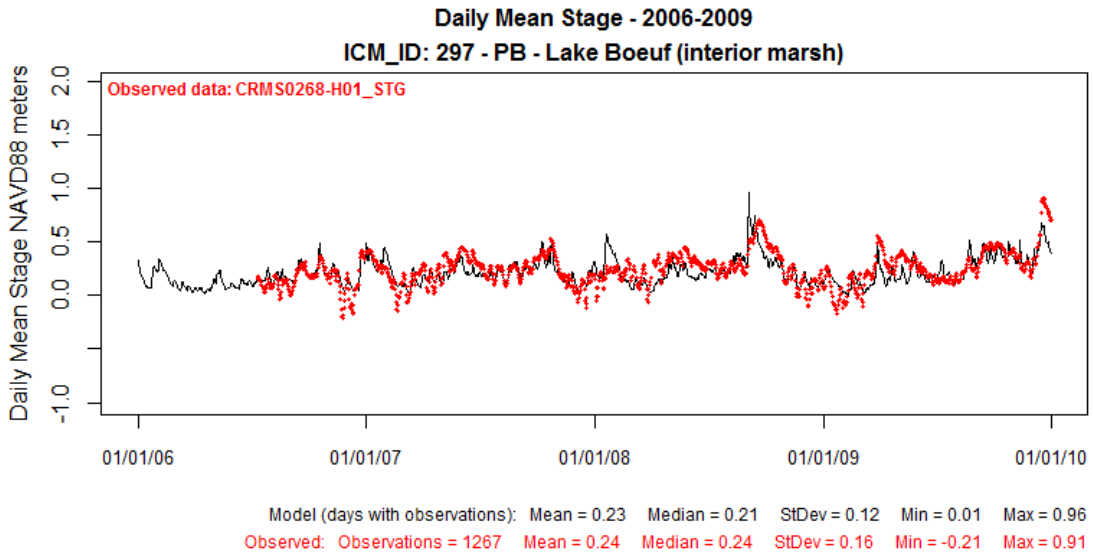


**Figure 160: Modeled Stage at ICM Compartment 297 (solid black line) Compared to Observed Data at CRMS0268-H01 for Validation Period 2006-2009.**

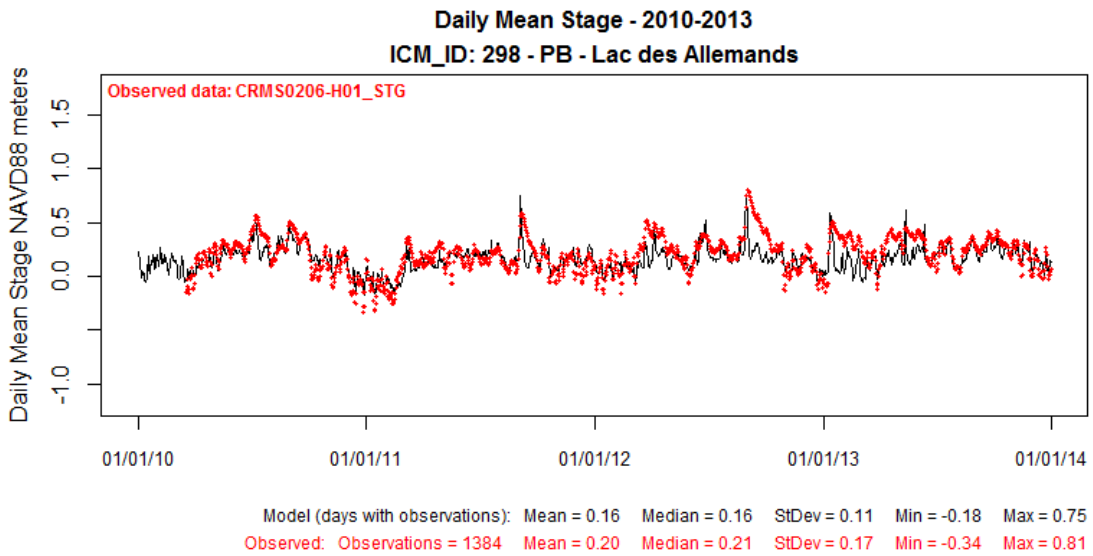


**Figure 161: Modeled Stage at ICM Compartment 298 (solid black line) Compared to Observed Data at CRMS0206-H01 for Calibration Period 2010-2013.**

**Figure 162: No Validation figure for ICM Compartment 298.**

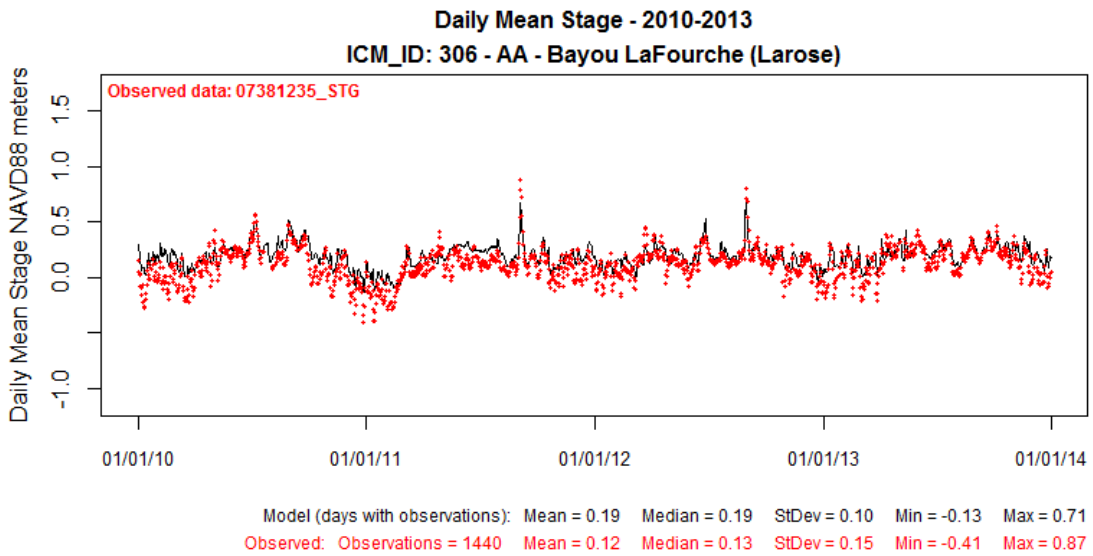


**Figure 163: Modeled Stage at ICM Compartment 306 (solid black line) Compared to Observed Data at USGS07381235 for Calibration Period 2010-2013.**

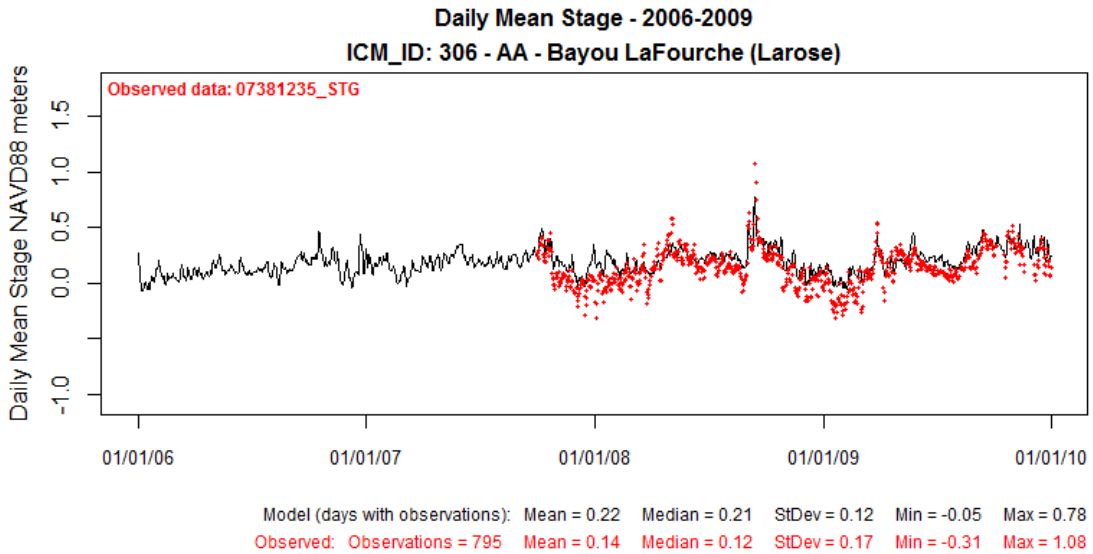


**Figure 164: Modeled Stage at ICM Compartment 306 (solid black line) Compared to Observed Data at USGS07381235 for Validation Period 2006-2009.**

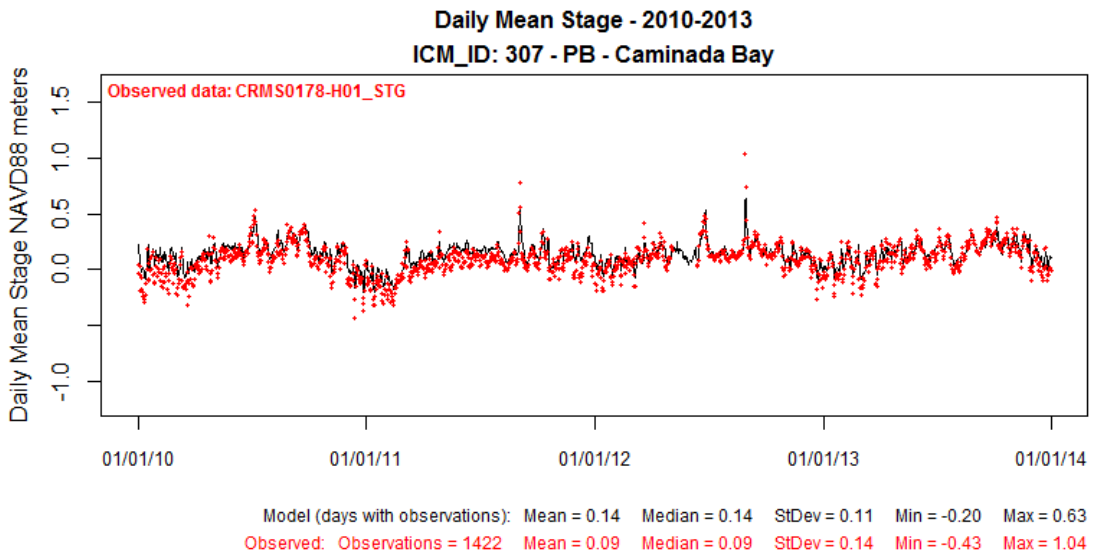


**Figure 165: Modeled Stage at ICM Compartment 307 (solid black line) Compared to Observed Data at CRMS0178-H01 for Calibration Period 2010-2013.**

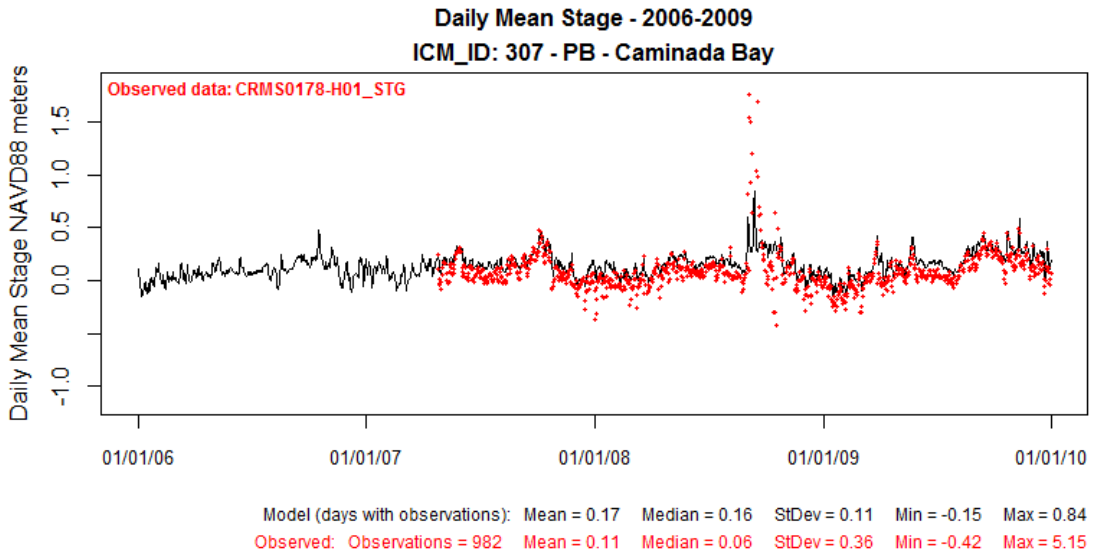


**Figure 166: Modeled Stage at ICM Compartment 307 (solid black line) Compared to Observed Data at CRMS0178-H01 for Validation Period 2006-2009.**

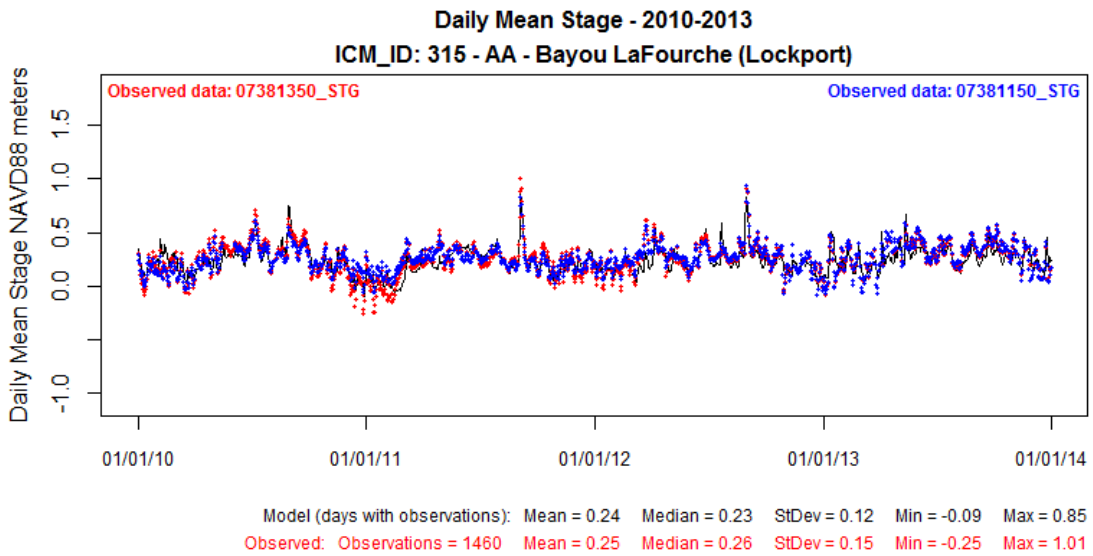


**Figure 167: Modeled Stage at ICM Compartment 315 (solid black line) Compared to Observed Data at USGS07381350 for Calibration Period 2010-2013.**

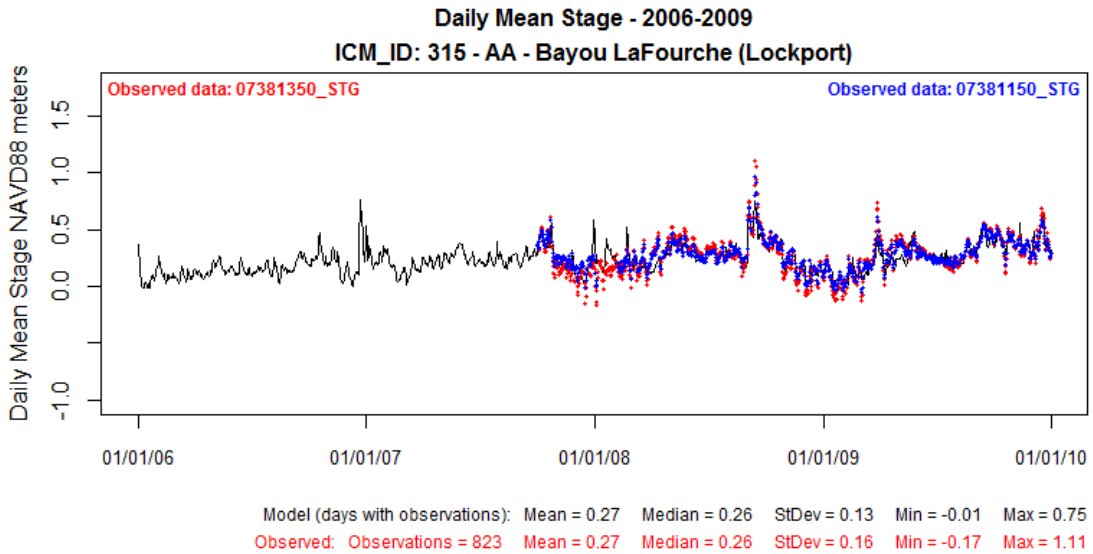


**Figure 168: Modeled Stage at ICM Compartment 315 (solid black line) Compared to Observed Data at USGS07381350 for Validation Period 2006-2009.**

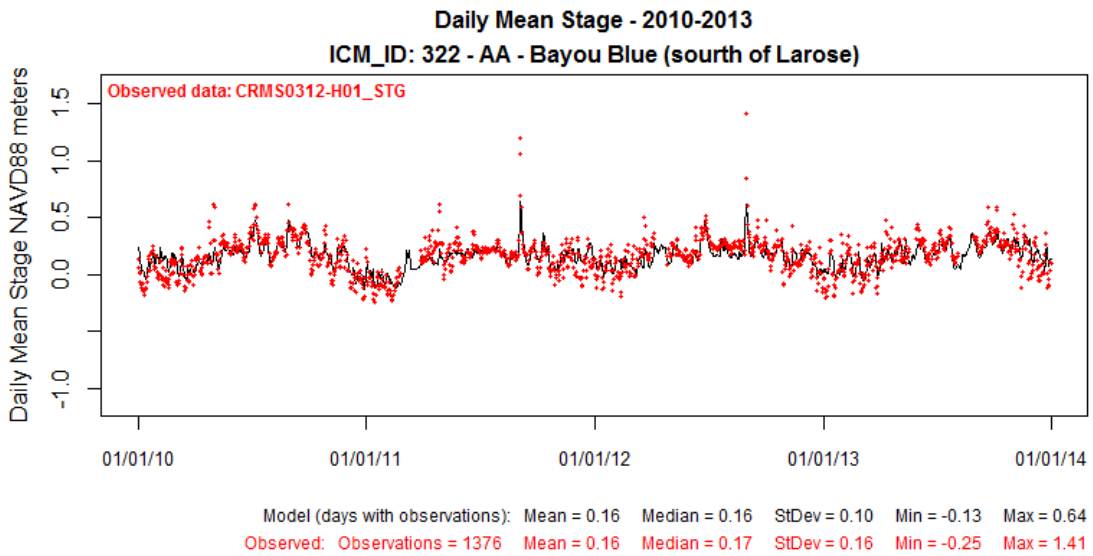


**Figure 169: Modeled Stage at ICM Compartment 322 (solid black line) Compared to Observed Data at CRMS0312-H01 for Calibration Period 2010-2013.**

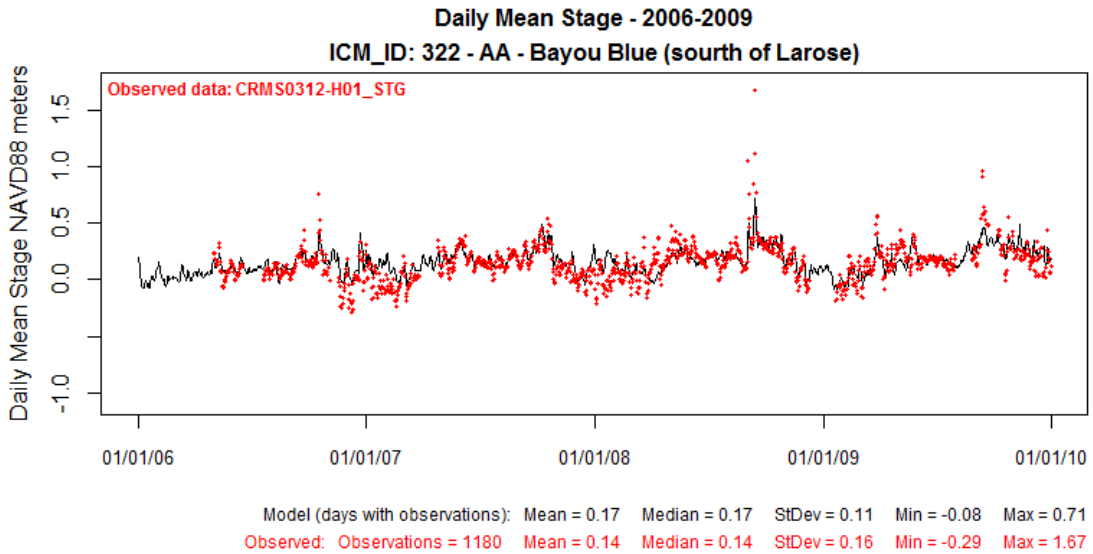


**Figure 170: Modeled Stage at ICM Compartment 322 (solid black line) Compared to Observed Data at CRMS0312-H01 for Validation Period 2006-2009.**

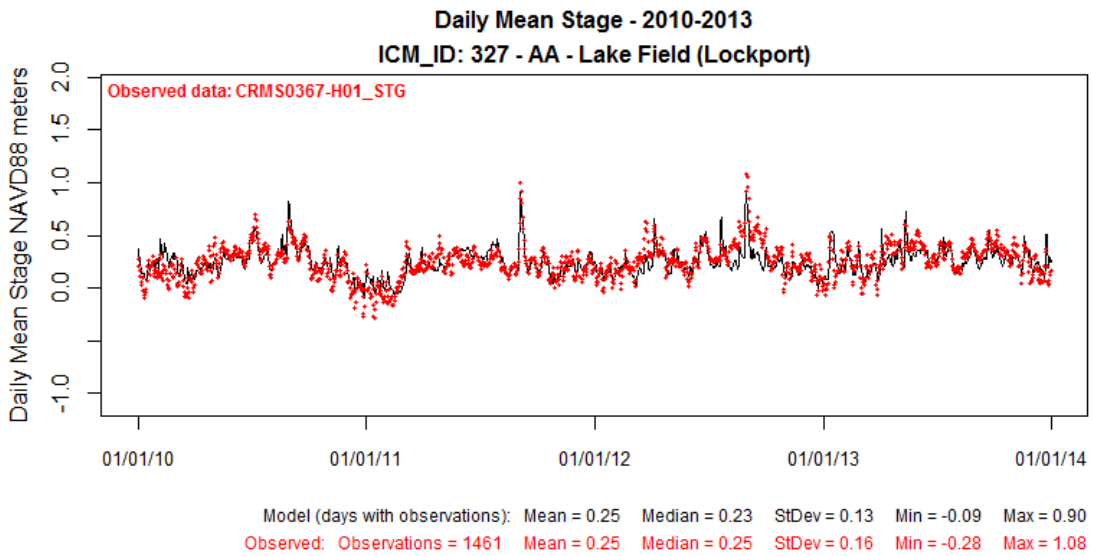


**Figure 171: Modeled Stage at ICM Compartment 327 (solid black line) Compared to Observed Data at CRMS0367-H01 for Calibration Period 2010-2013.**

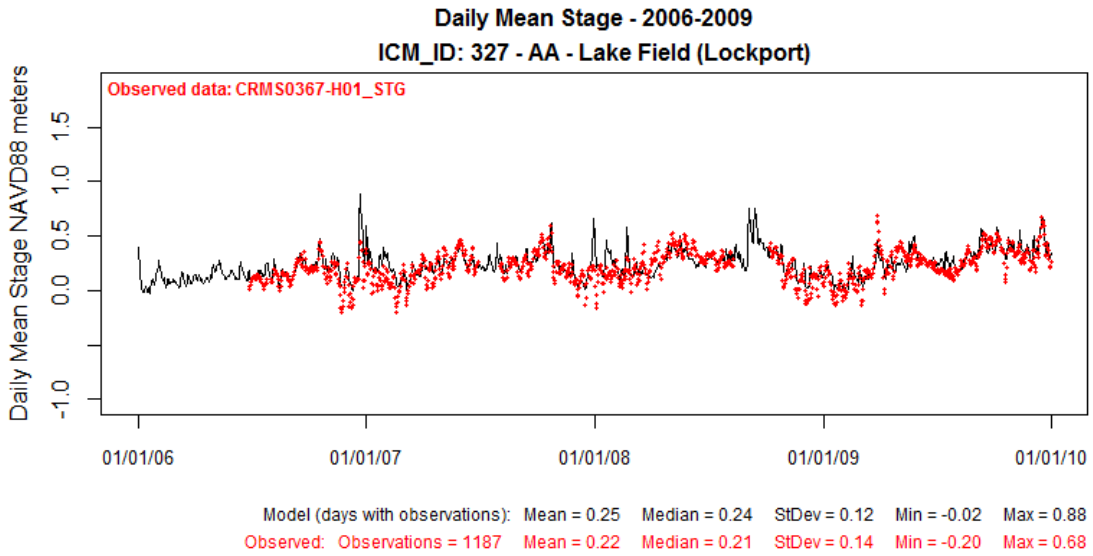


**Figure 172: Modeled Stage at ICM Compartment 327 (solid black line) Compared to Observed Data at CRMS0367-H01 for Validation Period 2006-2009.**

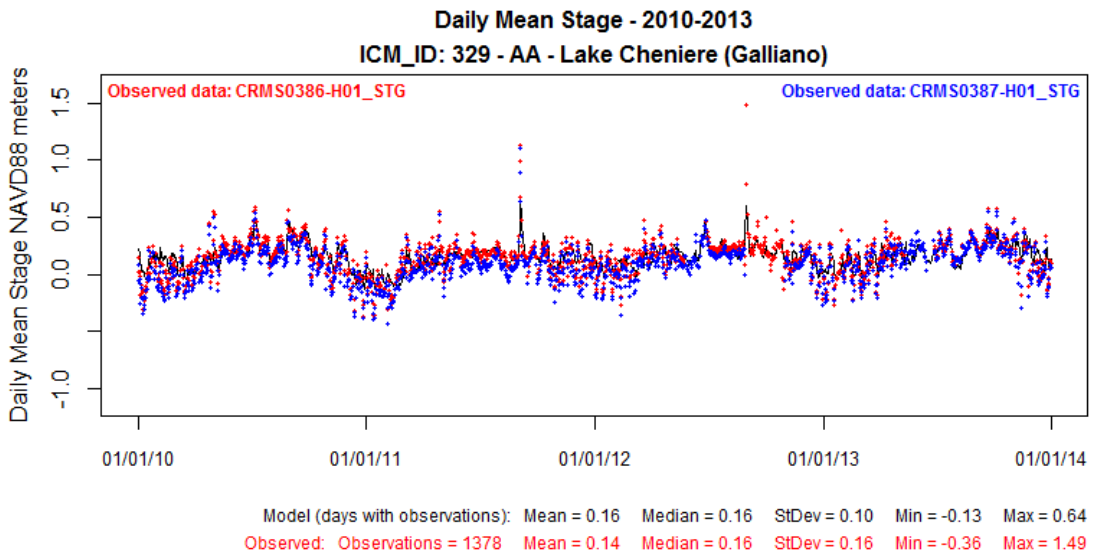


**Figure 173: Modeled Stage at ICM Compartment 329 (solid black line) Compared to Observed Data at CRMS0386-H01 for Calibration Period 2010-2013.**

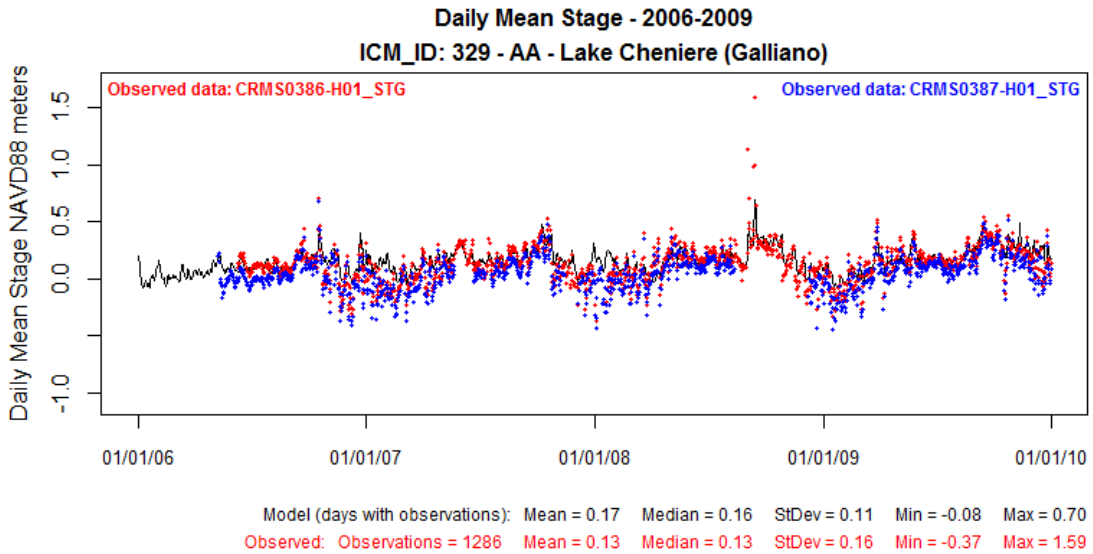


**Figure 174: Modeled Stage at ICM Compartment 329 (solid black line) Compared to Observed Data at CRMS0386-H01 for Validation Period 2006-2009.**

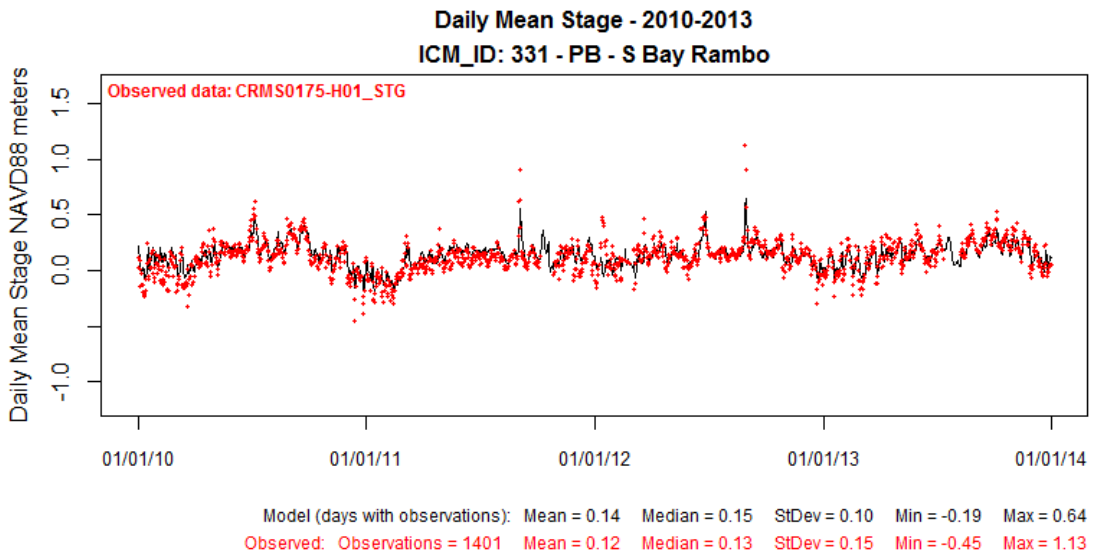


**Figure 175: Modeled Stage at ICM Compartment 331 (solid black line) Compared to Observed Data at CRMS0175-H01 for Calibration Period 2010-2013.**

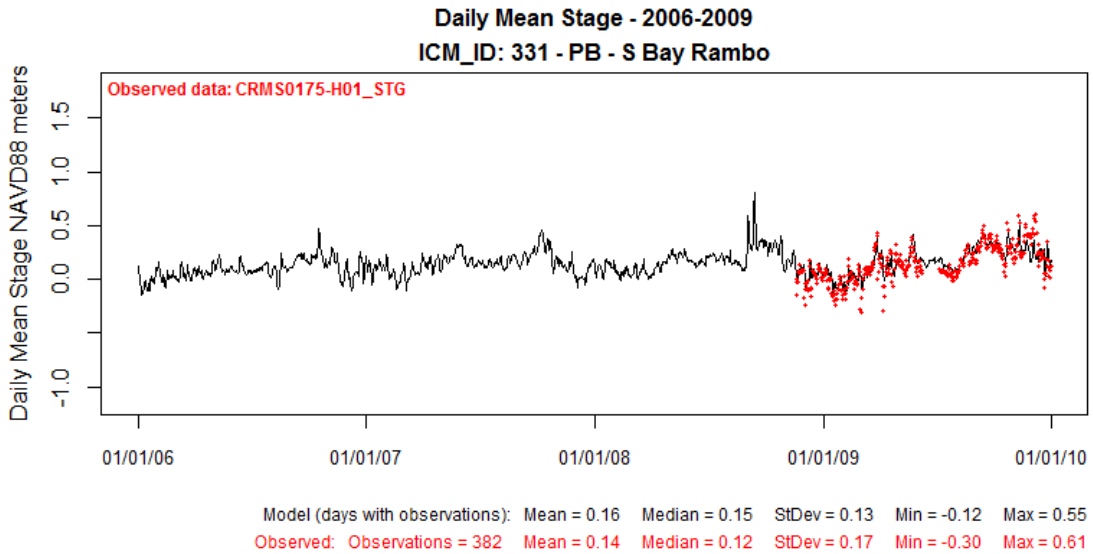


**Figure 176: Modeled Stage at ICM Compartment 331 (solid black line) Compared to Observed Data at CRMS0175-H01 for Validation Period 2006-2009.**

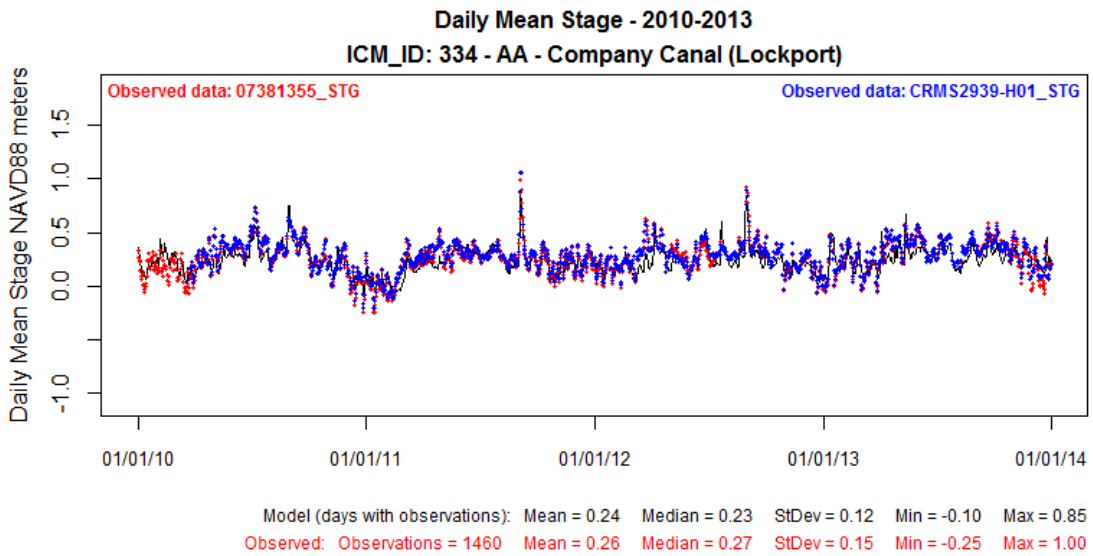


**Figure 177: Modeled Stage at ICM Compartment 334 (solid black line) Compared to Observed Data at USGS07381355 for Calibration Period 2010-2013.**

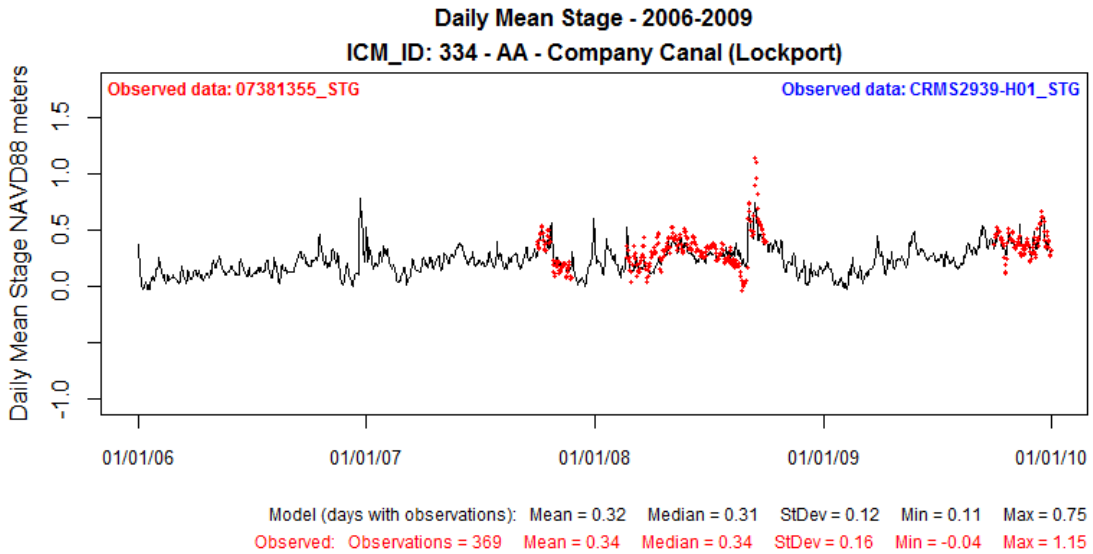


**Figure 178: Modeled Stage at ICM Compartment 334 (solid black line) Compared to Observed Data at USGS07381355 for Validation Period 2006-2009.**

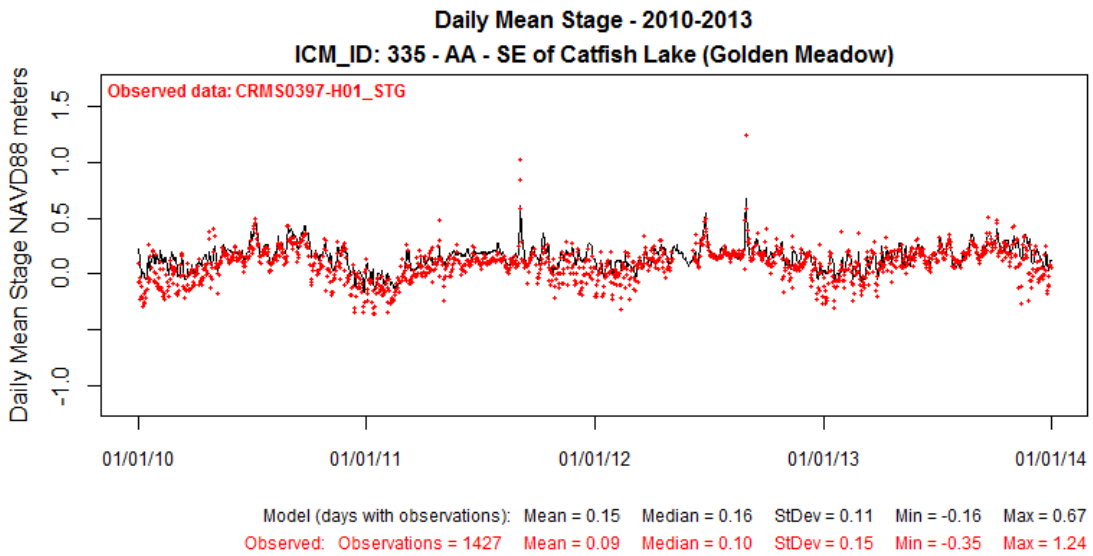


**Figure 179: Modeled Stage at ICM Compartment 335 (solid black line) Compared to Observed Data at CRMS0397-H01 for Calibration Period 2010-2013.**

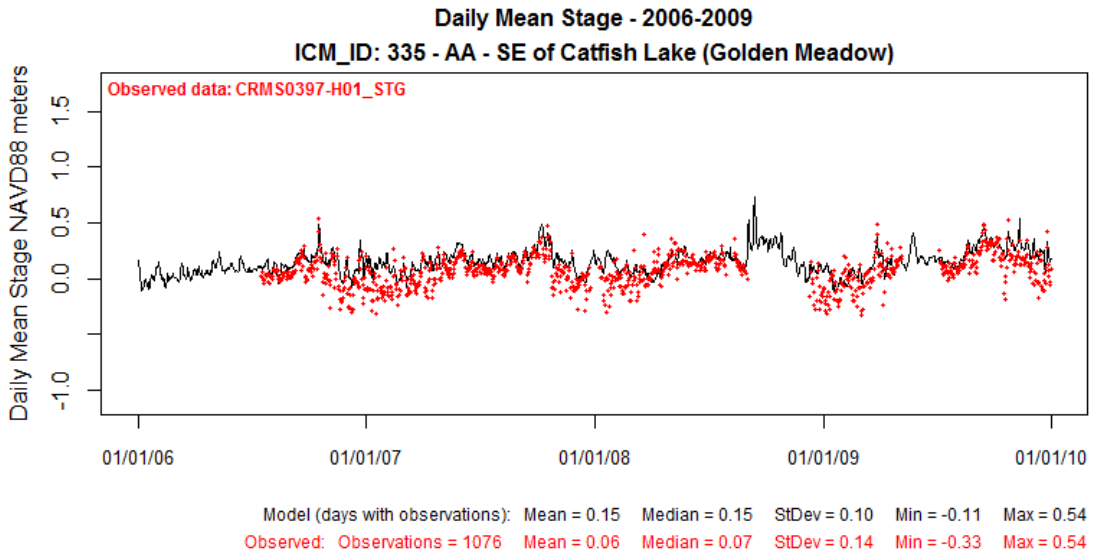


**Figure 180: Modeled Stage at ICM Compartment 335 (solid black line) Compared to Observed Data at CRMS0397-H01 for Validation Period 2006-2009.**

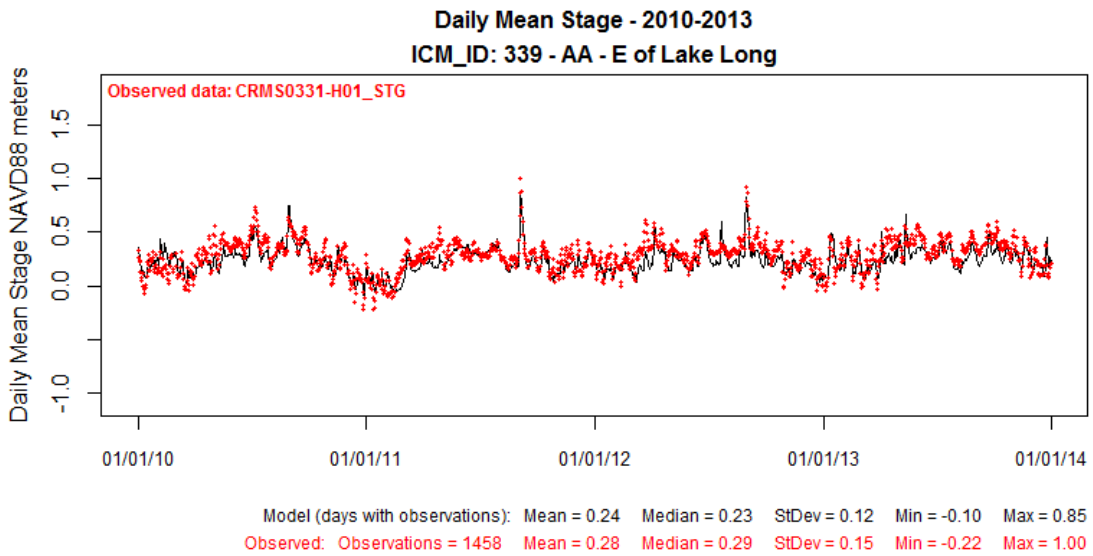


**Figure 181: Modeled Stage at ICM Compartment 339 (solid black line) Compared to Observed Data at CRMS0331-H01 for Calibration Period 2010-2013.**

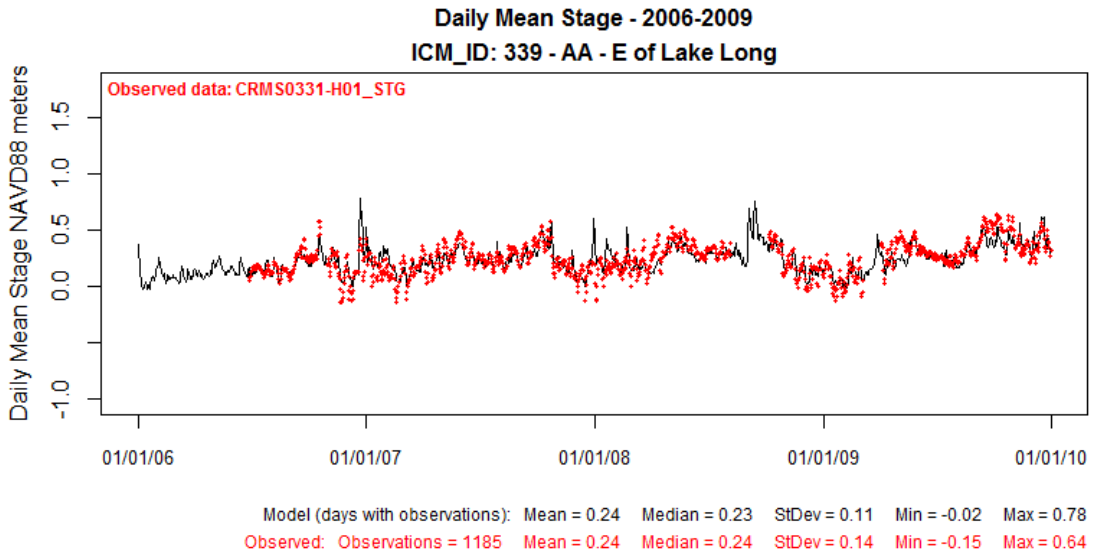


**Figure 182: Modeled Stage at ICM Compartment 339 (solid black line) Compared to Observed Data at CRMS0331-H01 for Validation Period 2006-2009.**

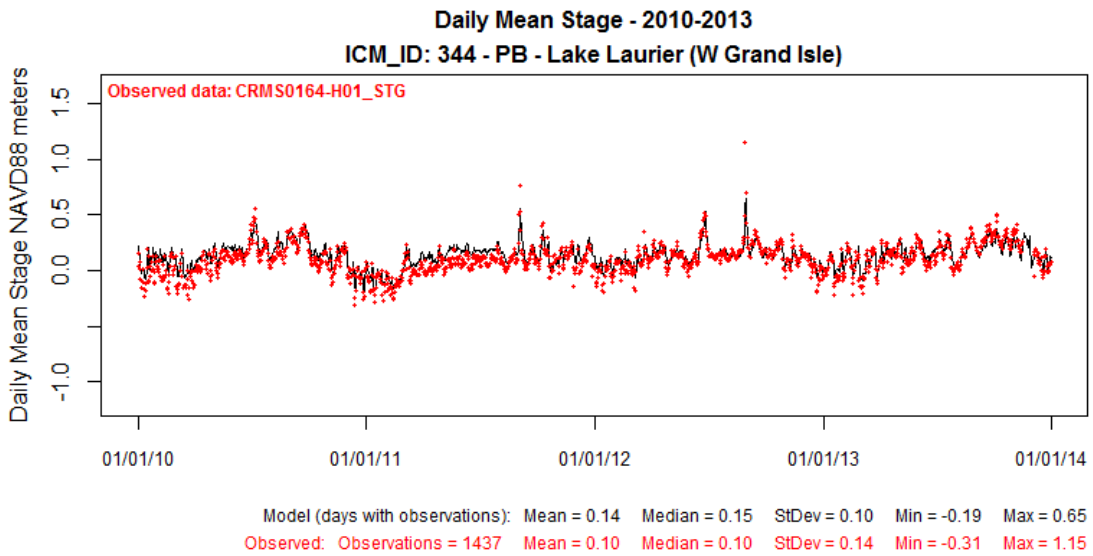


**Figure 183: Modeled Stage at ICM Compartment 344 (solid black line) Compared to Observed Data at CRMS0164-H01 for Calibration Period 2010-2013.**

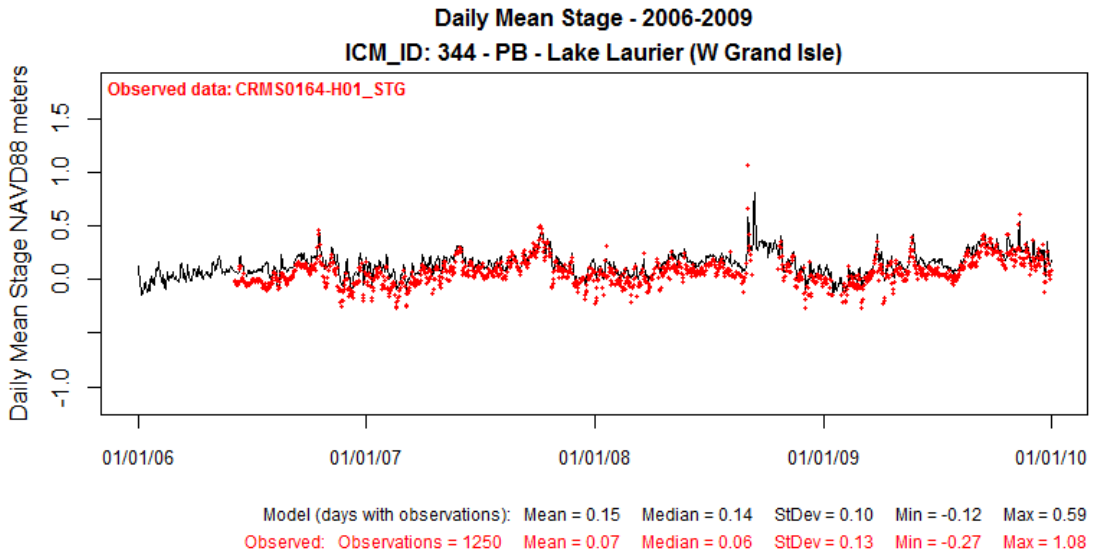


**Figure 184: Modeled Stage at ICM Compartment 344 (solid black line) Compared to Observed Data at CRMS0164-H01 for Validation Period 2006-2009.**

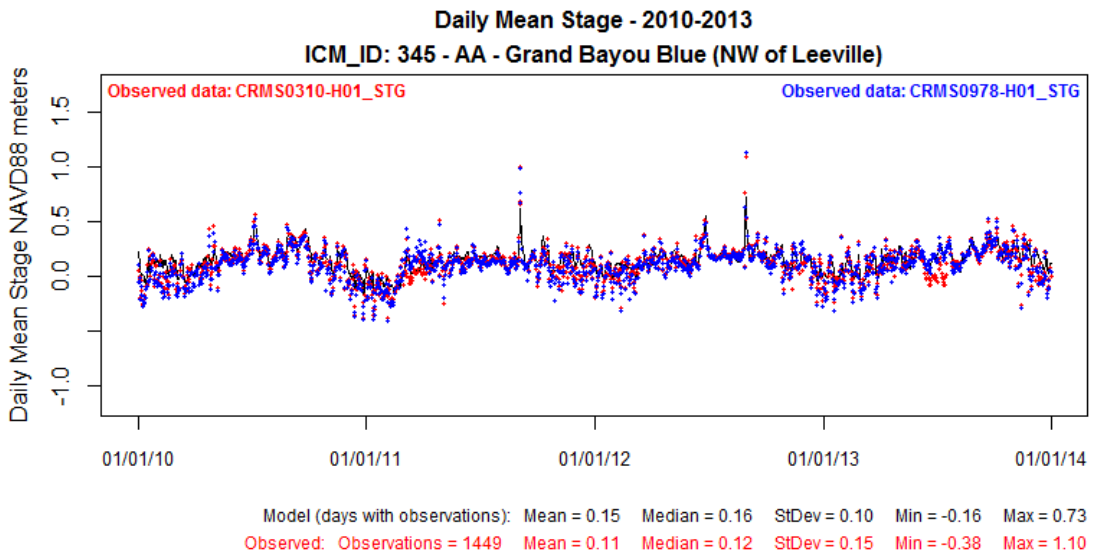


**Figure 185: Modeled Stage at ICM Compartment 345 (solid black line) Compared to Observed Data at CRMS0310-H01 for Calibration Period 2010-2013.**

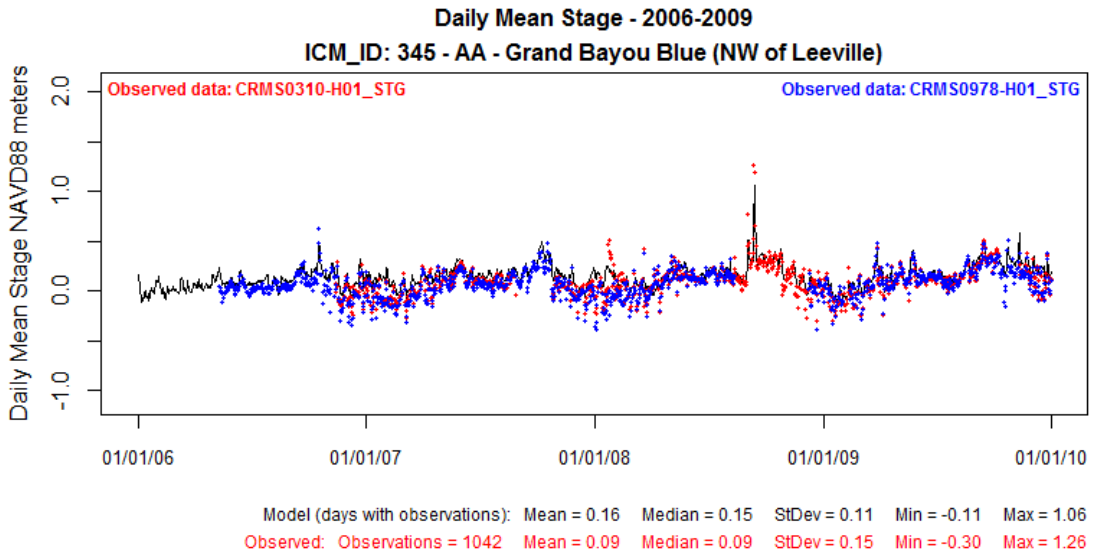


**Figure 186: Modeled Stage at ICM Compartment 345 (solid black line) Compared to Observed Data at CRMS0310-H01 for Validation Period 2006-2009.**

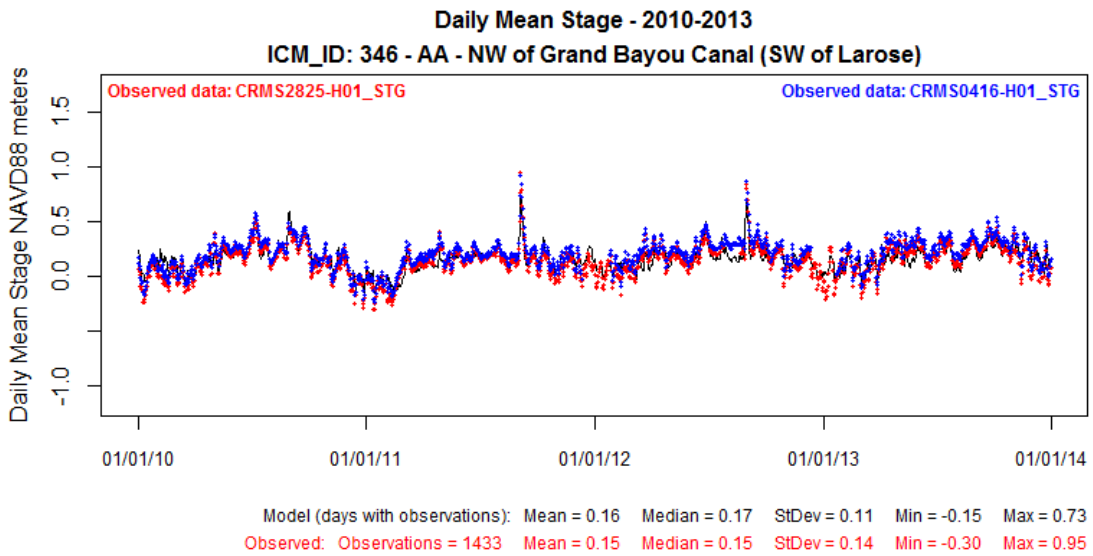


**Figure 187: Modeled Stage at ICM Compartment 346 (solid black line) Compared to Observed Data at CRMS2825-H01 for Calibration Period 2010-2013.**

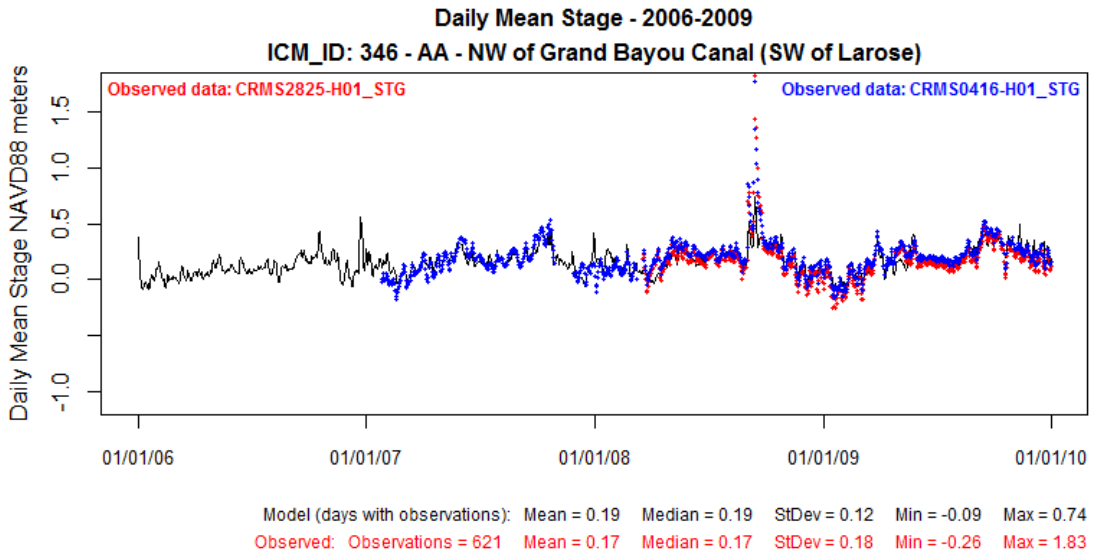


**Figure 188: Modeled Stage at ICM Compartment 346 (solid black line) Compared to Observed Data at CRMS2825-H01 for Validation Period 2006-2009.**

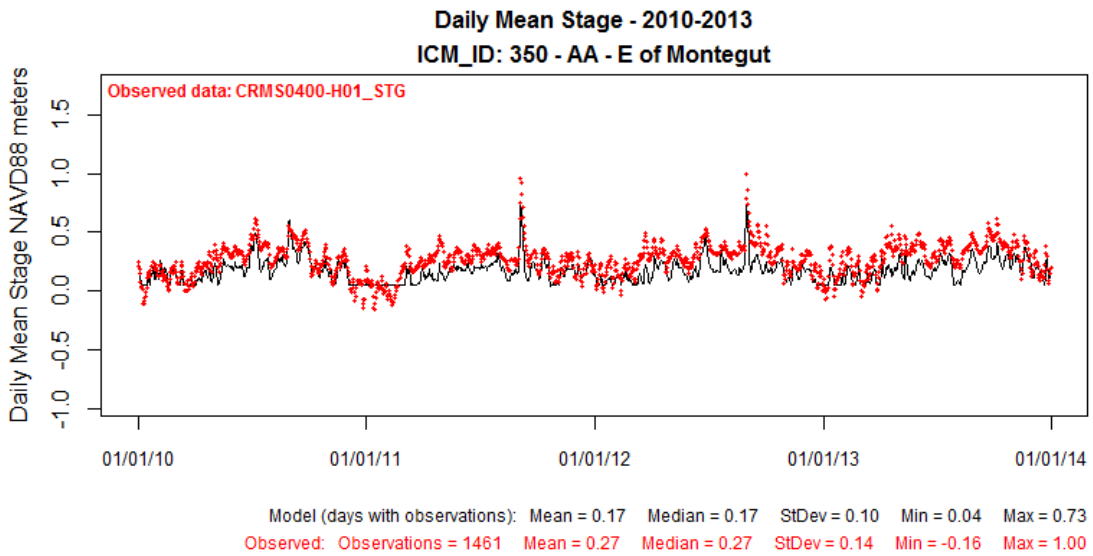


**Figure 189: Modeled Stage at ICM Compartment 350 (solid black line) Compared to Observed Data at CRMS0400-H01 for Calibration Period 2010-2013.**

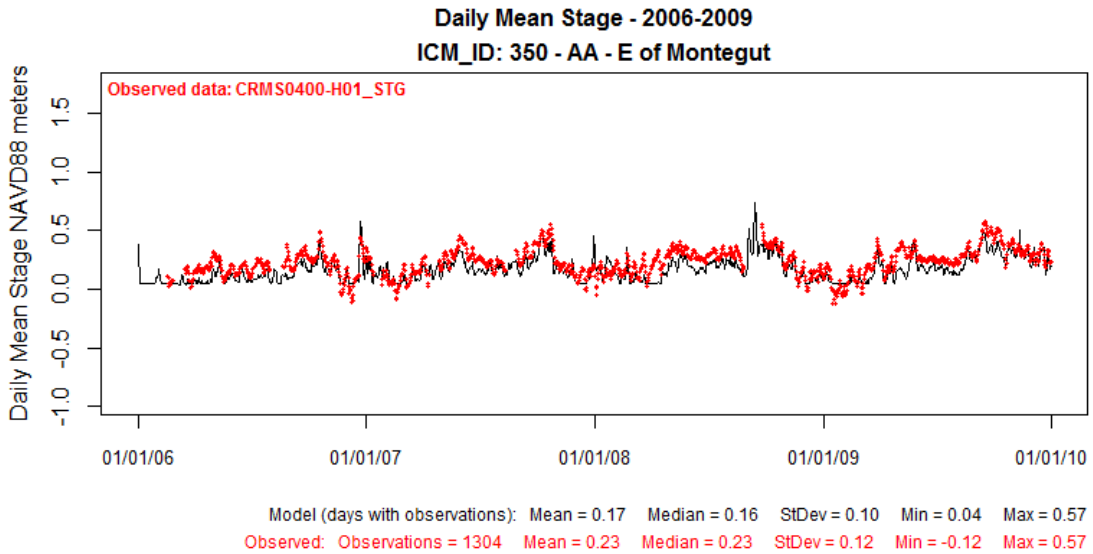


**Figure 190: Modeled Stage at ICM Compartment 350 (solid black line) Compared to Observed Data at CRMS0400-H01 for Validation Period 2006-2009.**

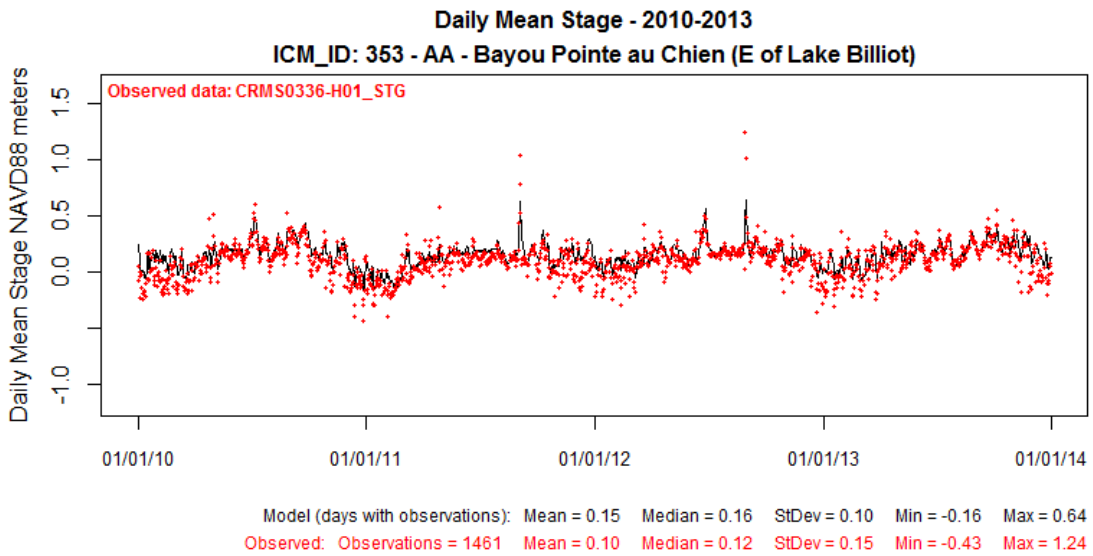


**Figure 191: Modeled Stage at ICM Compartment 353 (solid black line) Compared to Observed Data at CRMS0336-H01 for Calibration Period 2010-2013.**

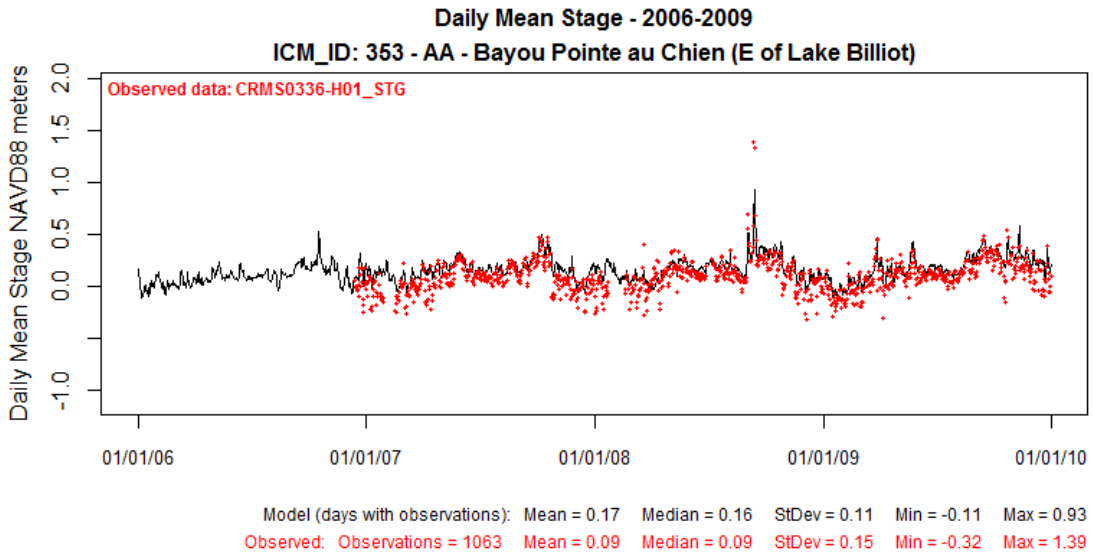


**Figure 192: Modeled Stage at ICM Compartment 353 (solid black line) Compared to Observed Data at CRMS0336-H01 for Validation Period 2006-2009.**

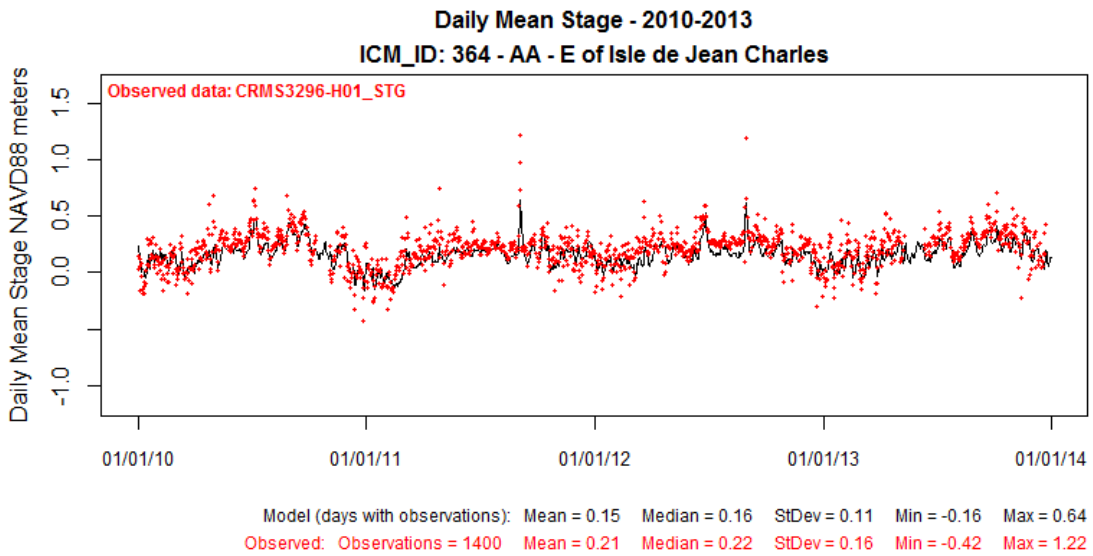


**Figure 193: Modeled Stage at ICM Compartment 364 (solid black line) Compared to Observed Data at CRMS3296-H01 for Calibration Period 2010-2013.**

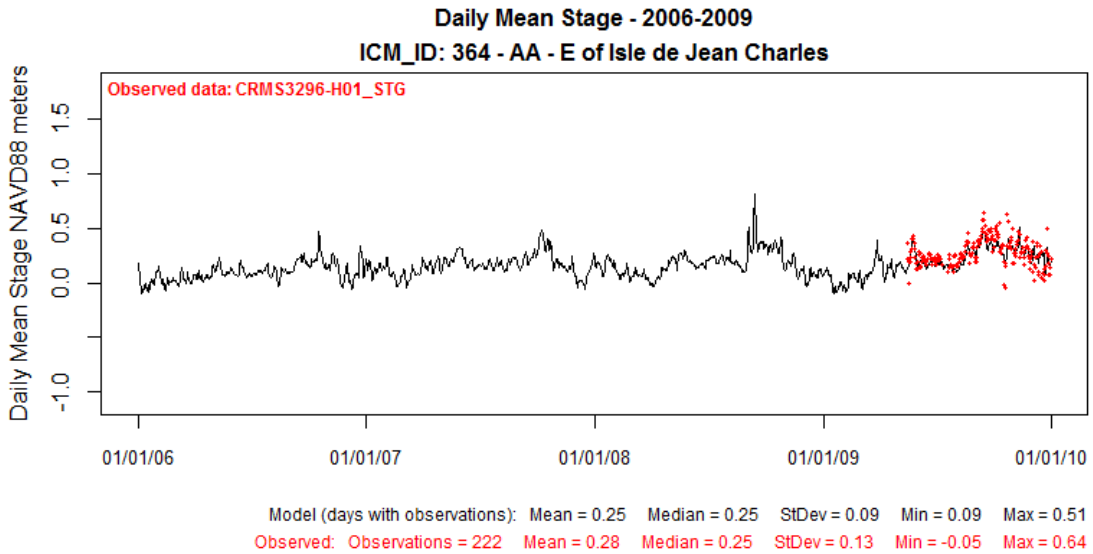


**Figure 194: Modeled Stage at ICM Compartment 364 (solid black line) Compared to Observed Data at CRMS3296-H01 for Validation Period 2006-2009.**

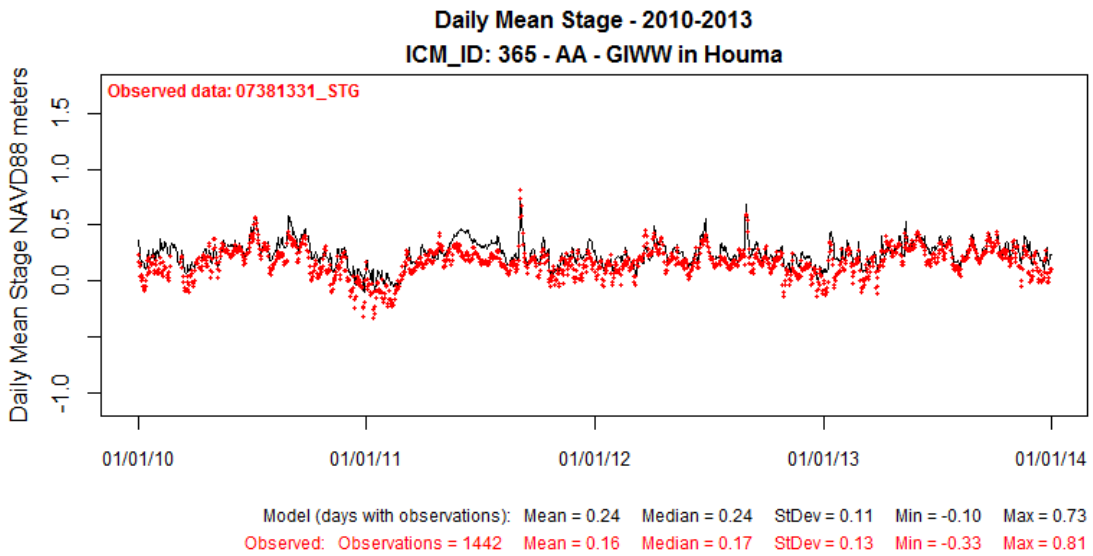


**Figure 195: Modeled Stage at ICM Compartment 365 (solid black line) Compared to Observed Data at USGS07381331 for Calibration Period 2010-2013.**

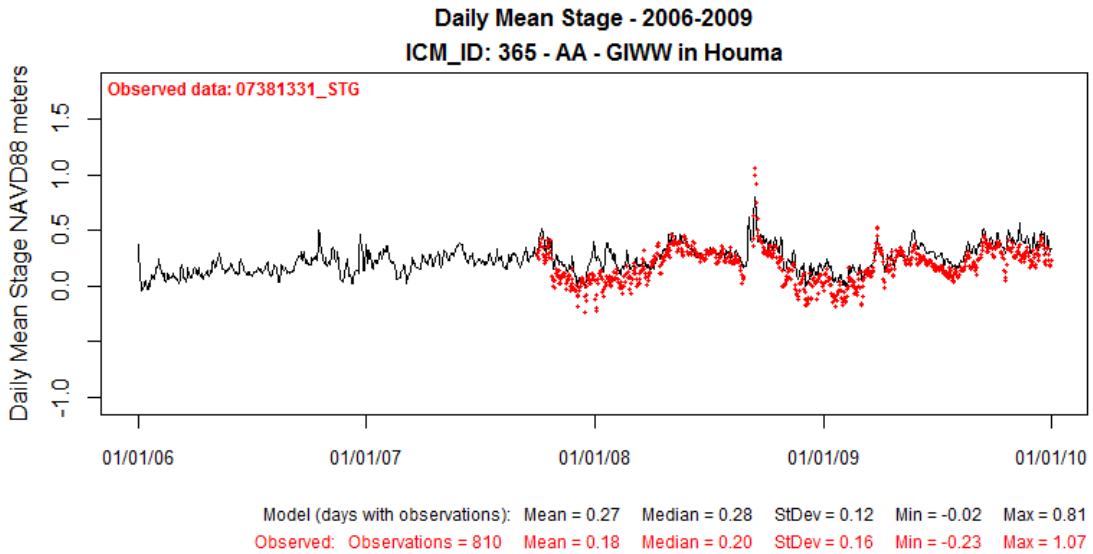


**Figure 196: Modeled Stage at ICM Compartment 365 (solid black line) Compared to Observed Data at USGS07381331 for Validation Period 2006-2009.**

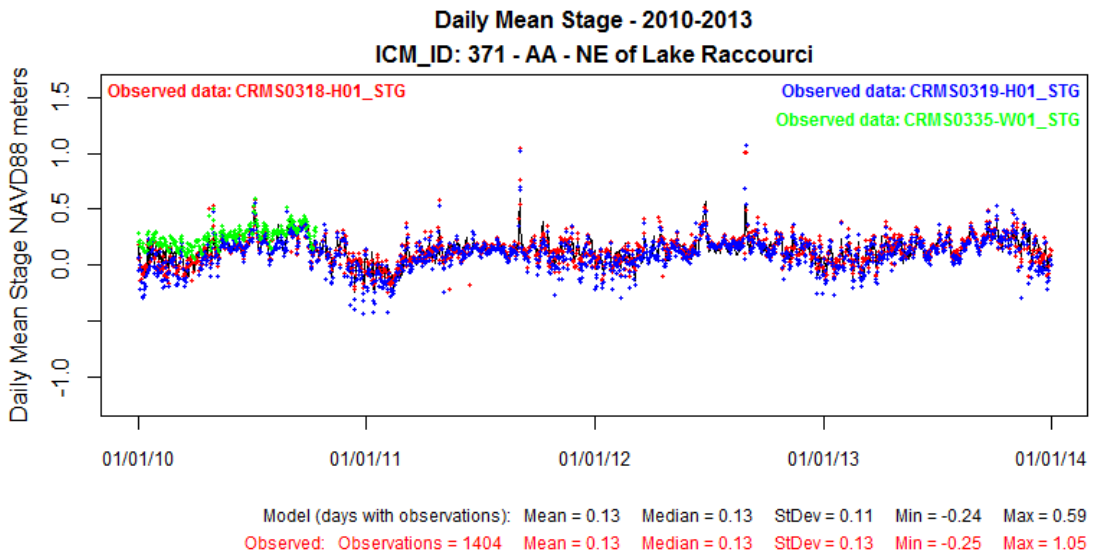


**Figure 197: Modeled Stage at ICM Compartment 371 (solid black line) Compared to Observed Data at CRMS0318-H01 for Calibration Period 2010-2013.**

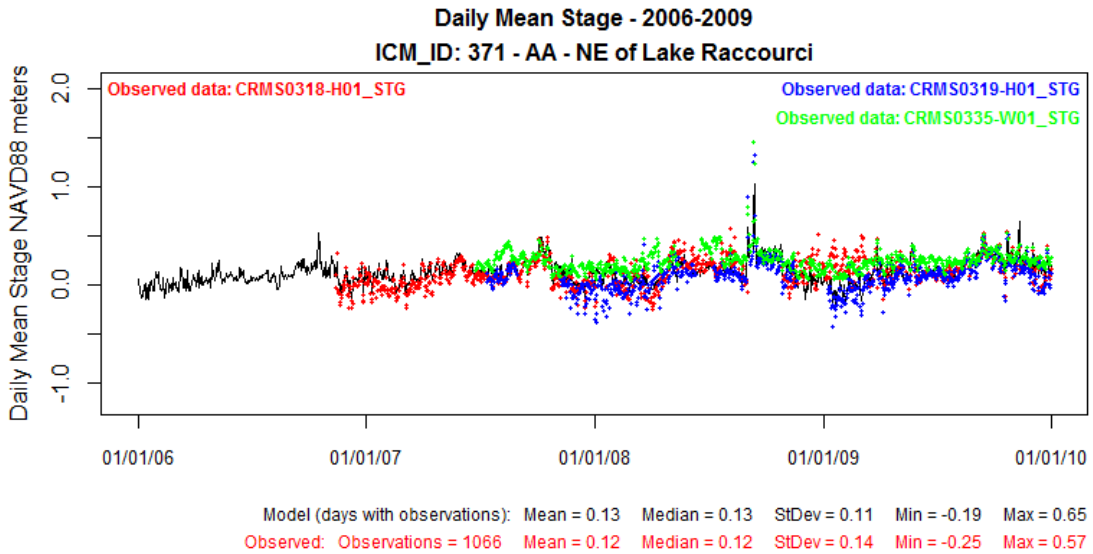


**Figure 198: Modeled Stage at ICM Compartment 371 (solid black line) Compared to Observed Data at CRMS0318-H01 for Validation Period 2006-2009.**

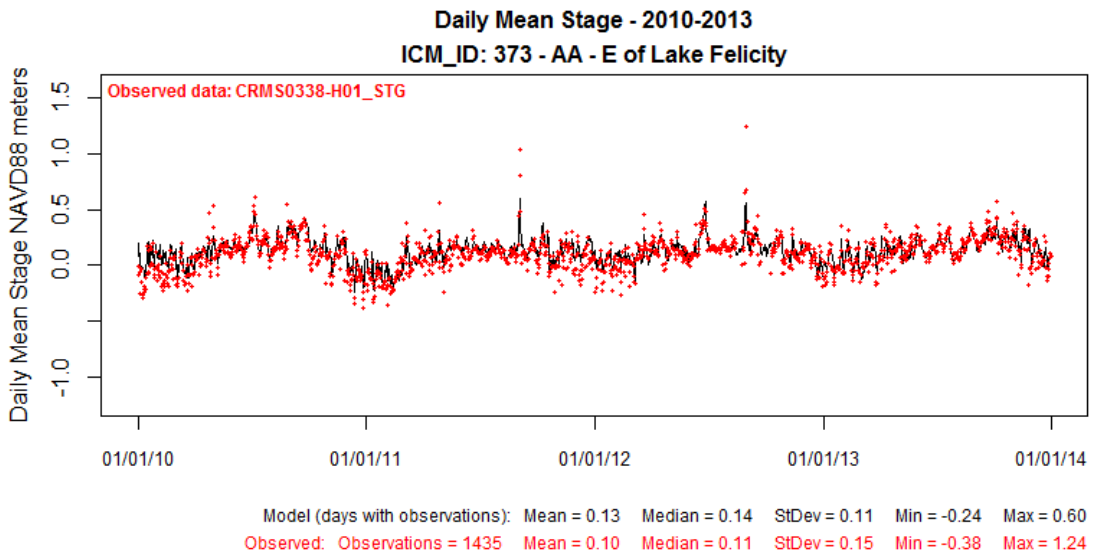


**Figure 199: Modeled Stage at ICM Compartment 373 (solid black line) Compared to Observed Data at CRMS0338-H01 for Calibration Period 2010-2013.**

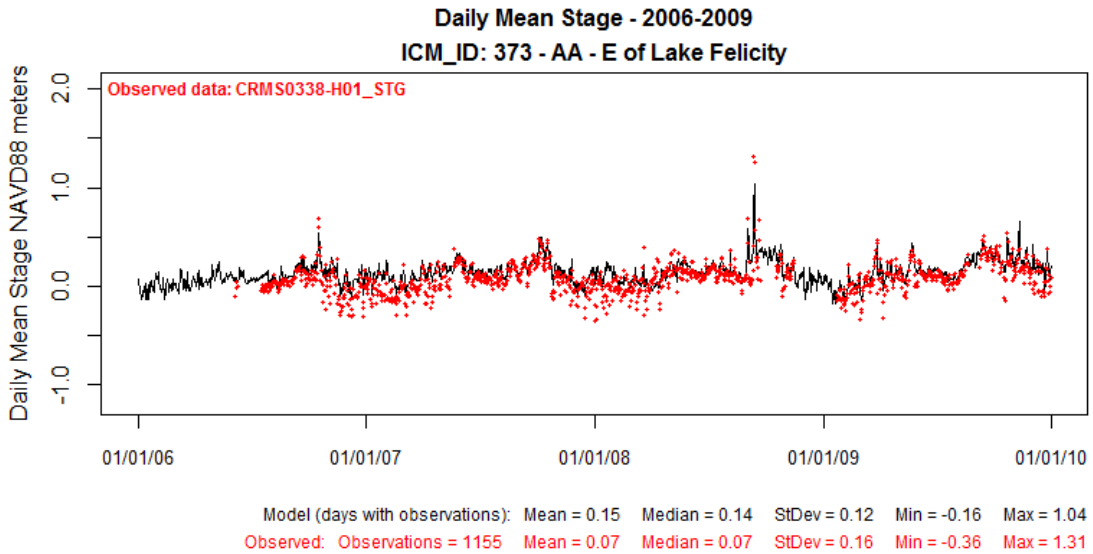


**Figure 200: Modeled Stage at ICM Compartment 373 (solid black line) Compared to Observed Data at CRMS0338-H01 for Validation Period 2006-2009.**

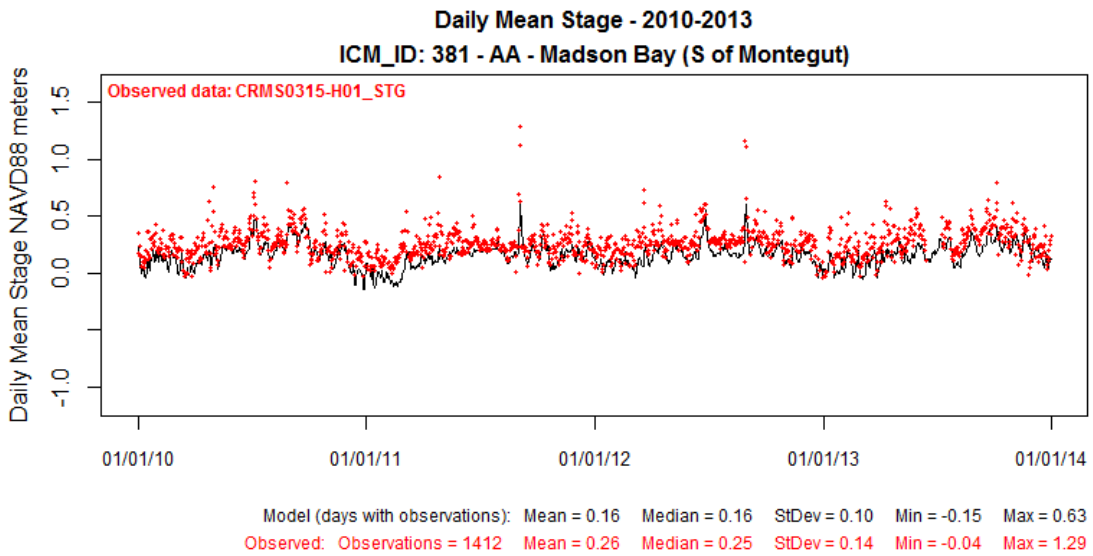


**Figure 201: Modeled Stage at ICM Compartment 381 (solid black line) Compared to Observed Data at CRMS0315-H01 for Calibration Period 2010-2013.**

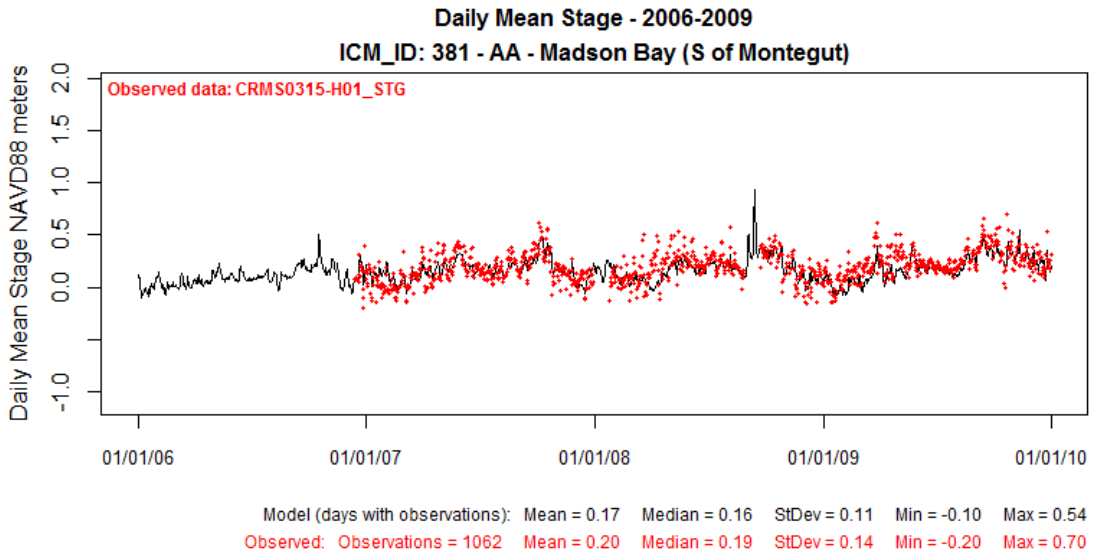


**Figure 202: Modeled Stage at ICM Compartment 381 (solid black line) Compared to Observed Data at CRMS0315-H01 for Validation Period 2006-2009.**

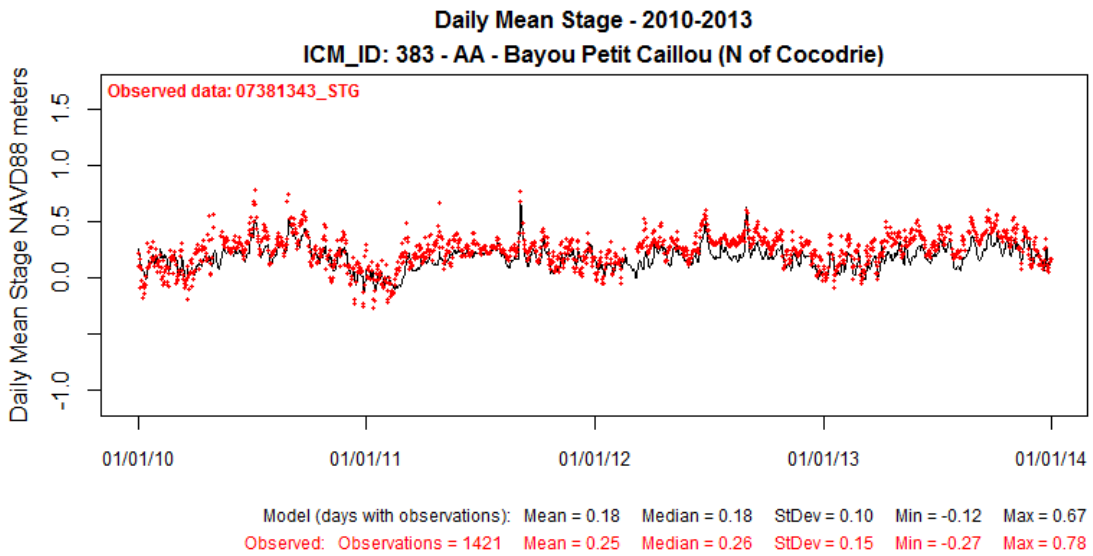


**Figure 203: Modeled Stage at ICM Compartment 383 (solid black line) Compared to Observed Data at USGS07381343 for Calibration Period 2010-2013.**

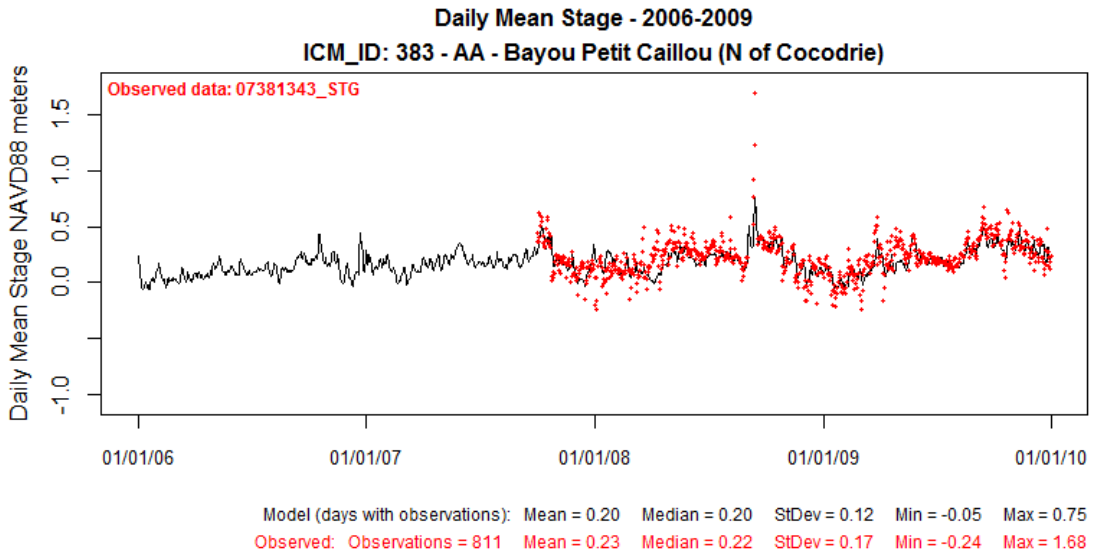


**Figure 204: Modeled Stage at ICM Compartment 383 (solid black line) Compared to Observed Data at USGS07381343 for Validation Period 2006-2009.**

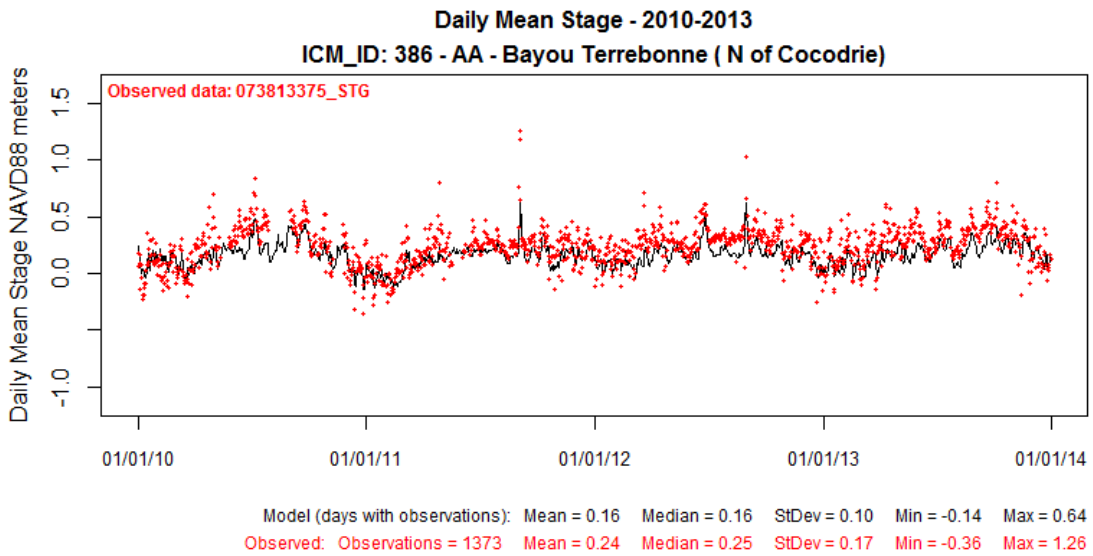


**Figure 205: Modeled Stage at ICM Compartment 386 (solid black line) Compared to Observed Data at USGS073813375 for Calibration Period 2010-2013.**

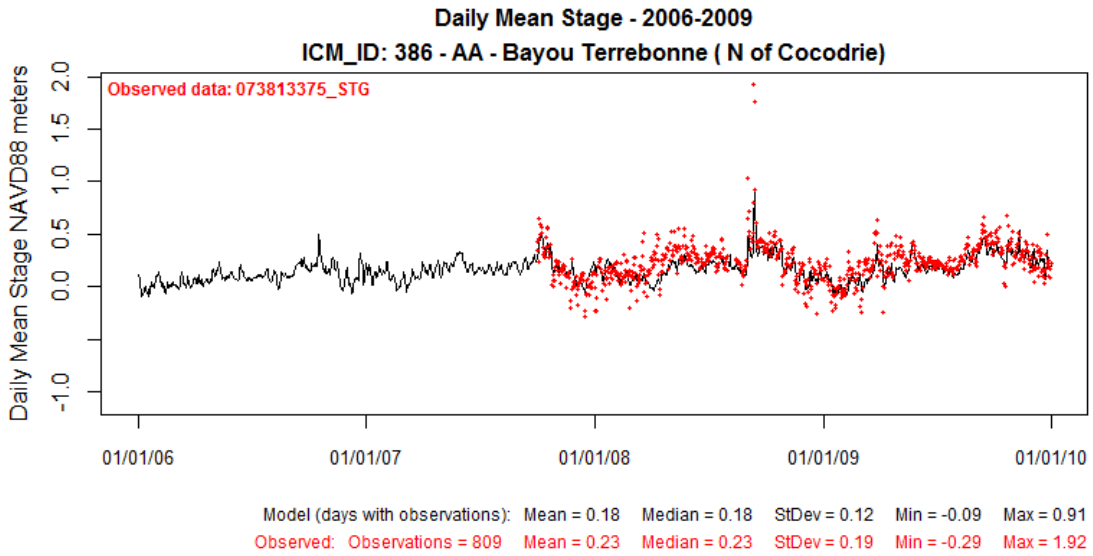


**Figure 206: Modeled Stage at ICM Compartment 386 (solid black line) Compared to Observed Data at USGS073813375 for Validation Period 2006-2009.**

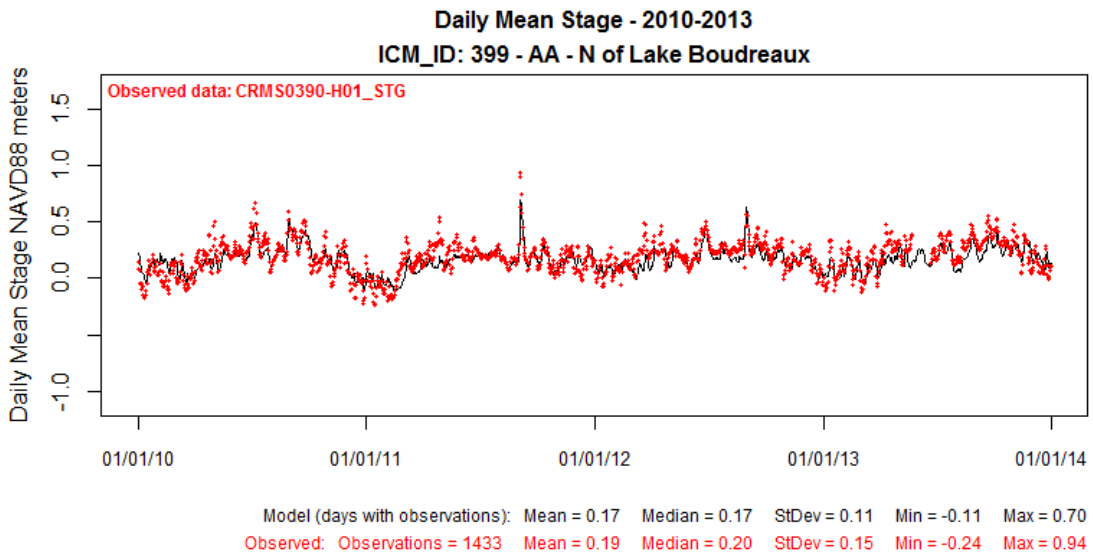


**Figure 207: Modeled Stage at ICM Compartment 399 (solid black line) Compared to Observed Data at CRMS0390-H01 for Calibration Period 2010-2013.**

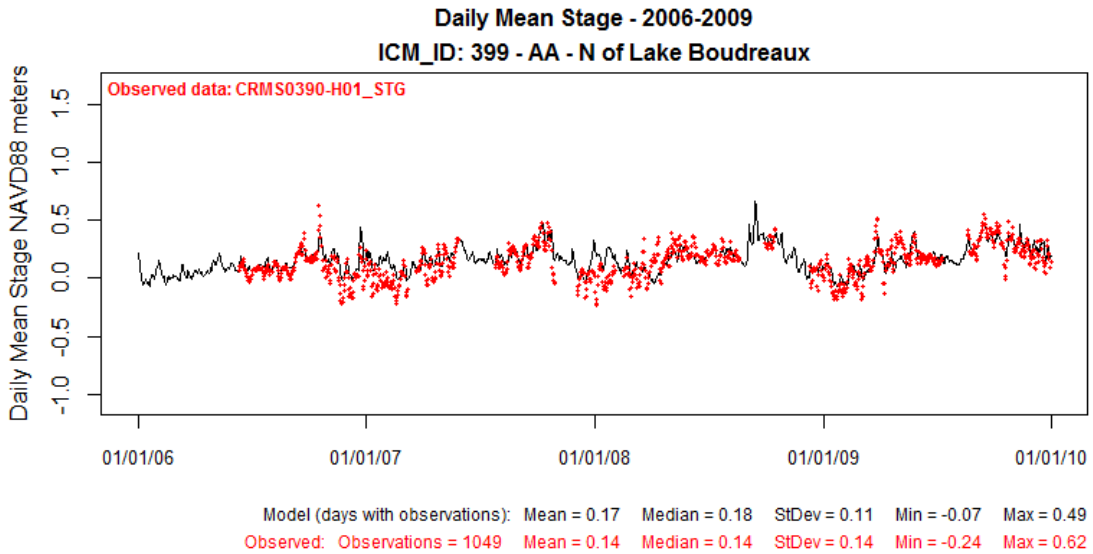


**Figure 208: Modeled Stage at ICM Compartment 399 (solid black line) Compared to Observed Data at CRMS0390-H01 for Validation Period 2006-2009.**

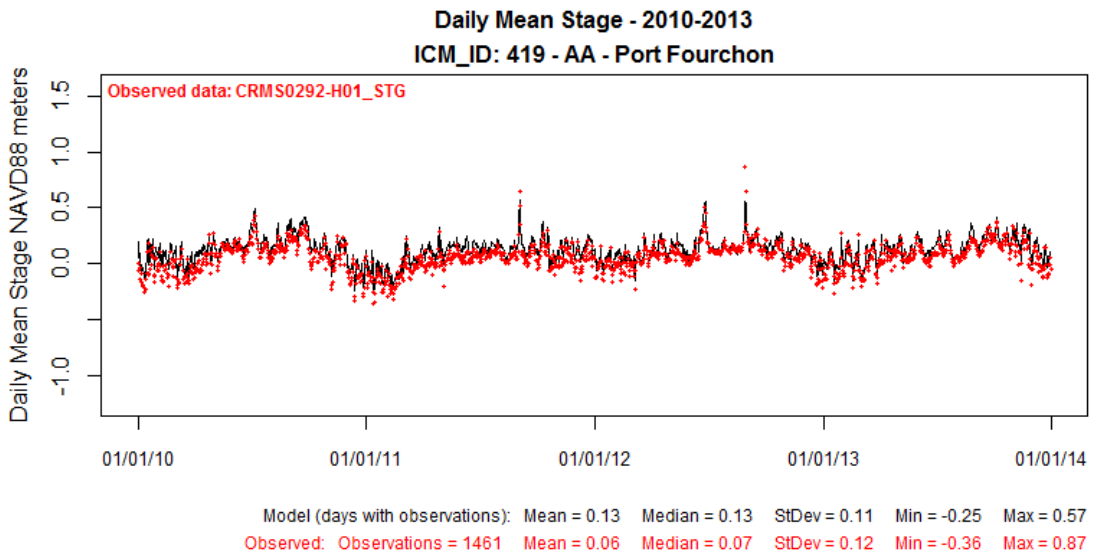


**Figure 209: Modeled Stage at ICM Compartment 419 (solid black line) Compared to Observed Data at CRMS0292-H01 for Calibration Period 2010-2013.**

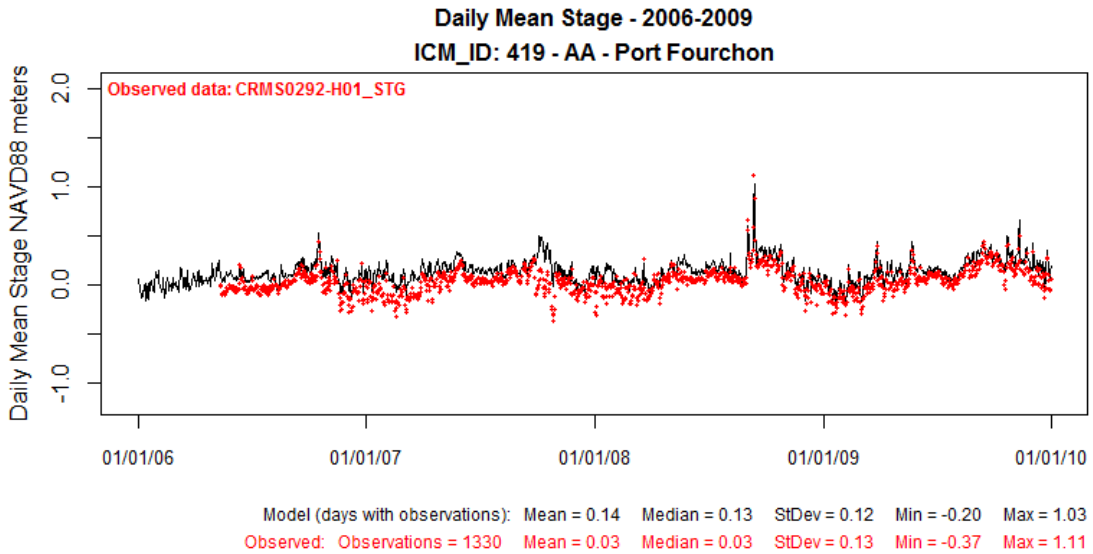


**Figure 210: Modeled Stage at ICM Compartment 419 (solid black line) Compared to Observed Data at CRMS0292-H01 for Validation Period 2006-2009.**

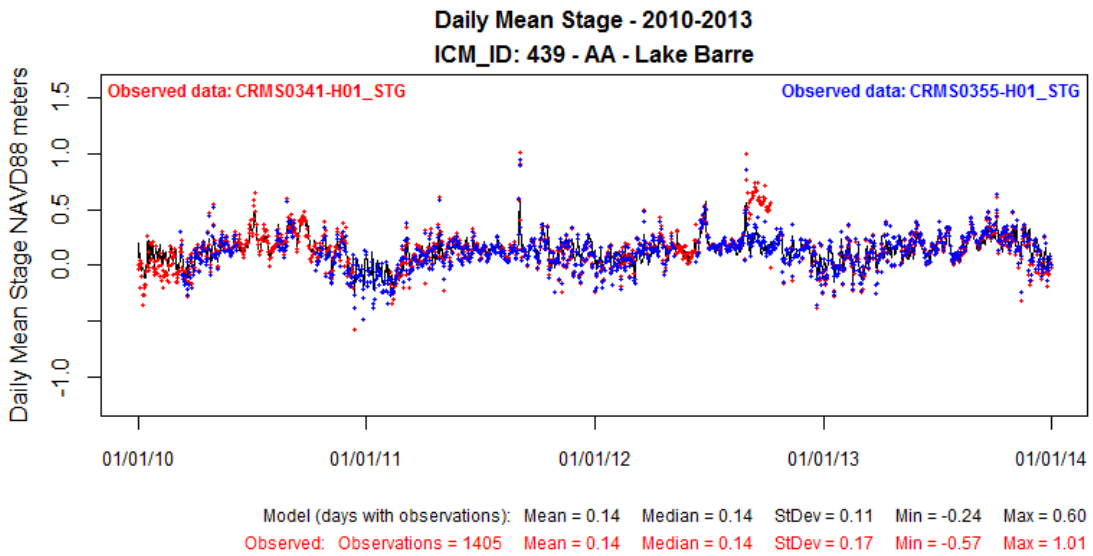


**Figure 211: Modeled Stage at ICM Compartment 439 (solid black line) Compared to Observed Data at CRMS0341-H01 for Calibration Period 2010-2013.**

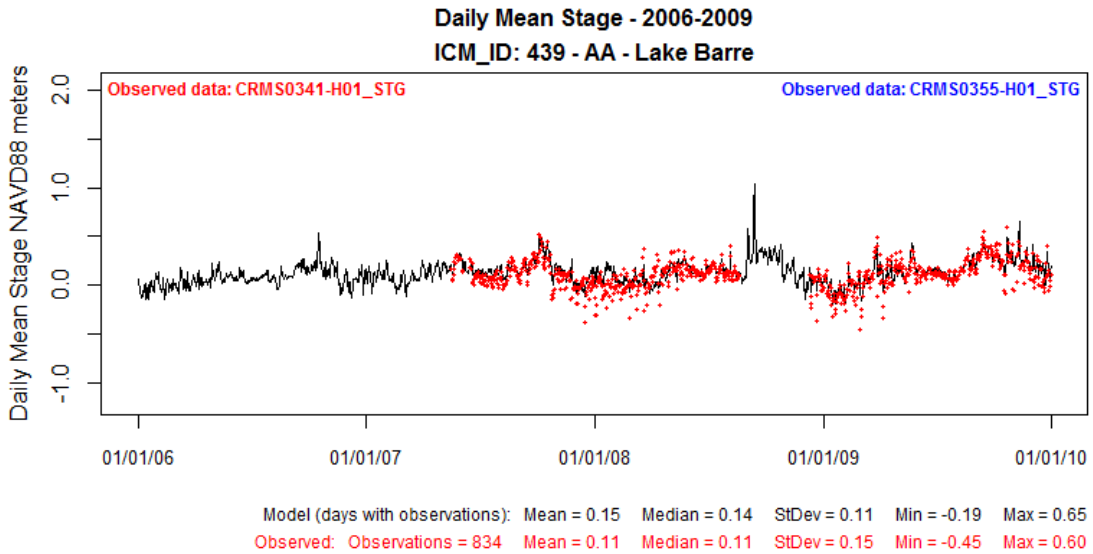


**Figure 212: Modeled Stage at ICM Compartment 439 (solid black line) Compared to Observed Data at CRMS0341-H01 for Validation Period 2006-2009.**

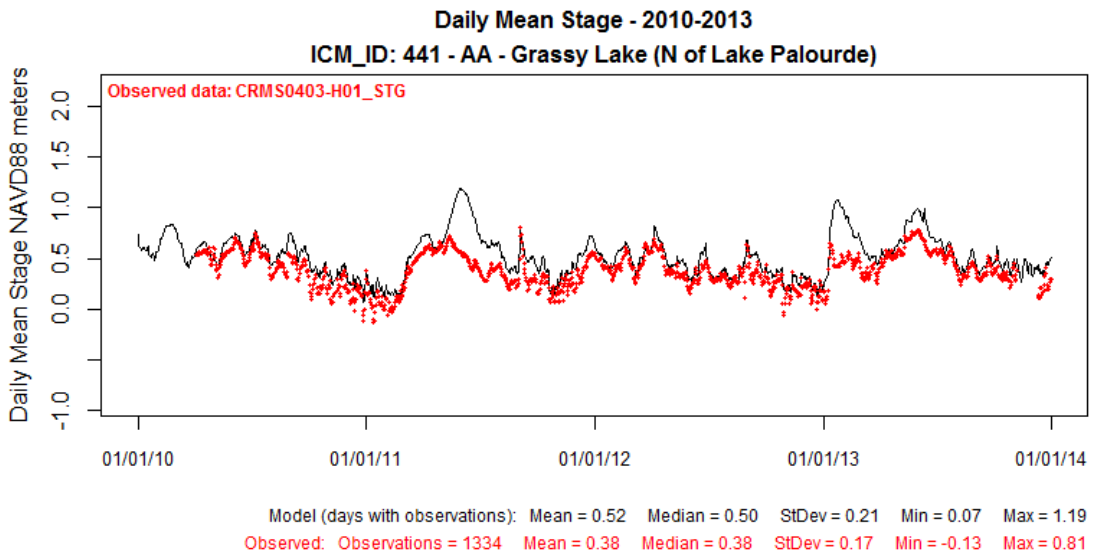


**Figure 213: Modeled Stage at ICM Compartment 441 (solid black line) Compared to Observed Data at CRMS0403-H01 for Calibration Period 2010-2013.**

**Figure 214: No Validation figure for ICM Compartment 441.**

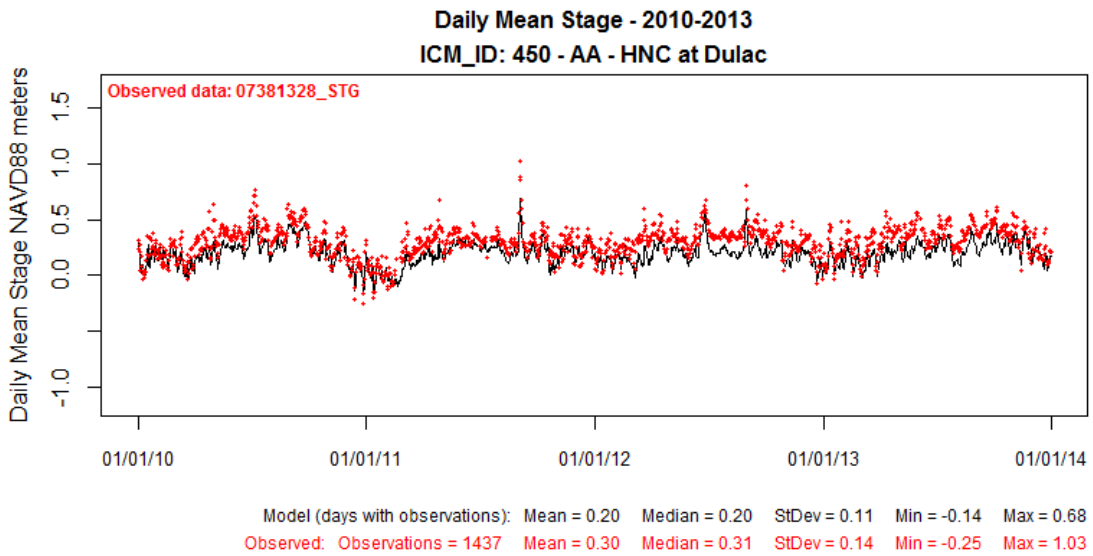


**Figure 215: Modeled Stage at ICM Compartment 450 (solid black line) Compared to Observed Data at USGS07381328 for Calibration Period 2010-2013.**

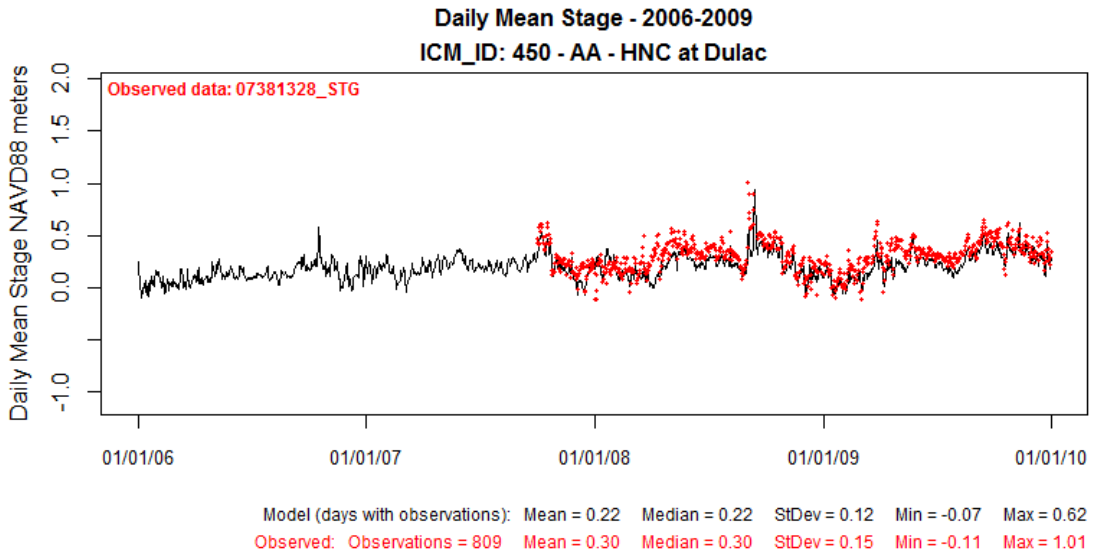


**Figure 216: Modeled Stage at ICM Compartment 450 (solid black line) Compared to Observed Data at USGS07381328 for Validation Period 2006-2009.**

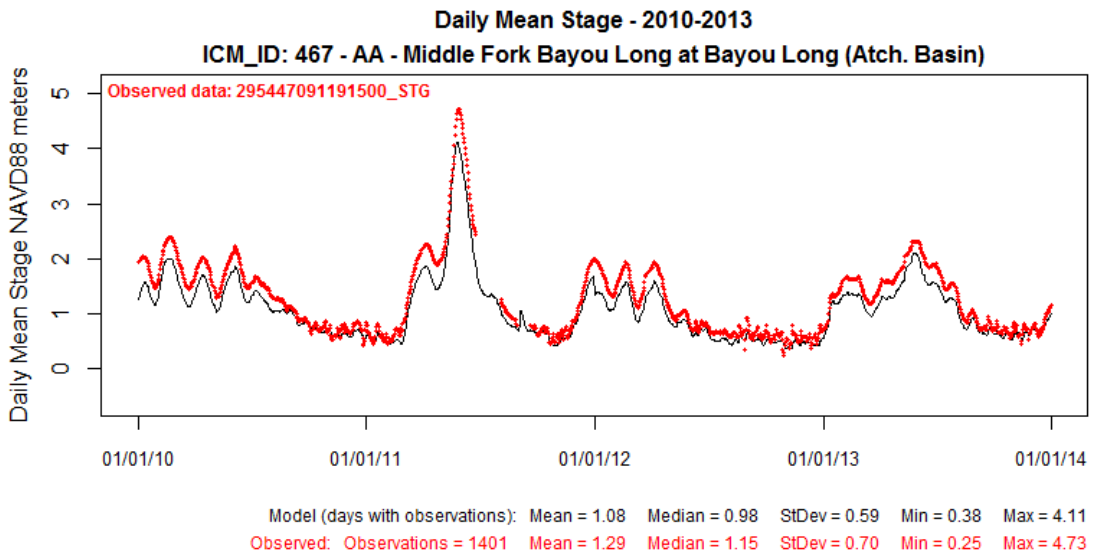


**Figure 217: Modeled Stage at ICM Compartment 467 (solid black line) Compared to Observed Data at USGS295447091191500 for Calibration Period 2010-2013.**

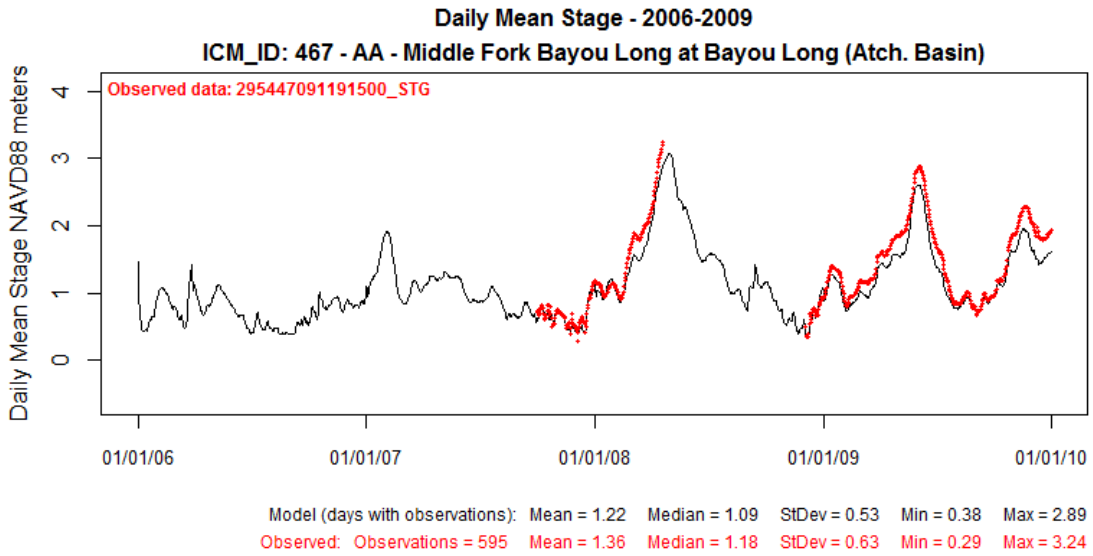


**Figure 218: Modeled Stage at ICM Compartment 467 (solid black line) Compared to Observed Data at USGS295447091191500 for Validation Period 2006-2009.**

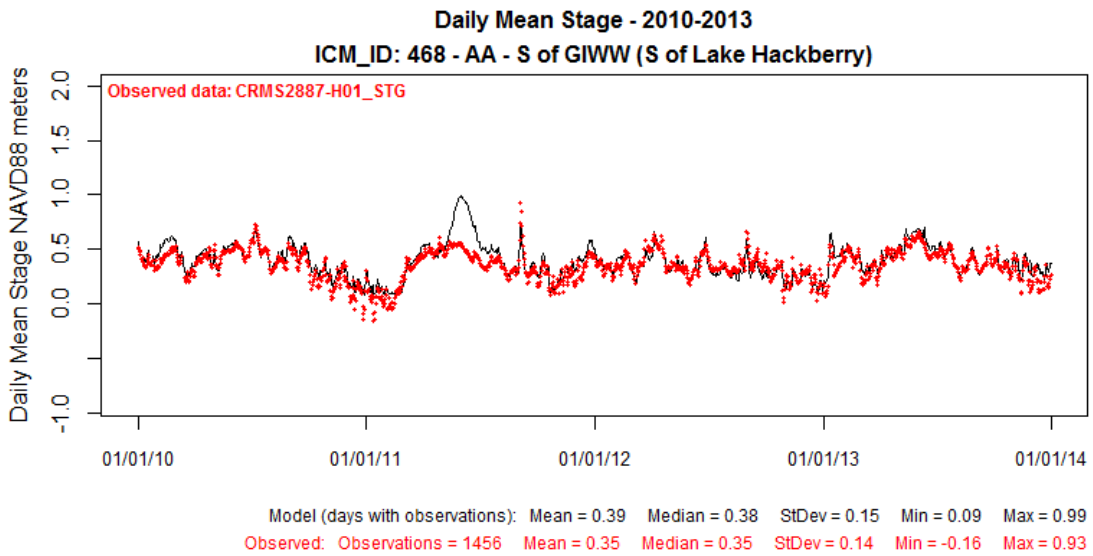


**Figure 219: Modeled Stage at ICM Compartment 468 (solid black line) Compared to Observed Data at CRMS2887-H01 for Calibration Period 2010-2013.**

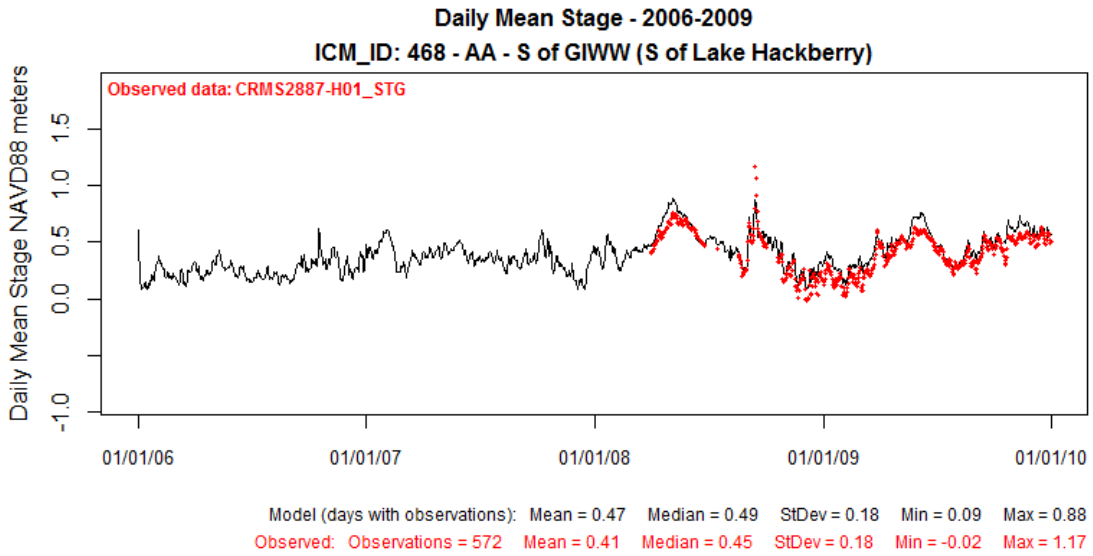


**Figure 220: Modeled Stage at ICM Compartment 468 (solid black line) Compared to Observed Data at CRMS2887-H01 for Validation Period 2006-2009.**

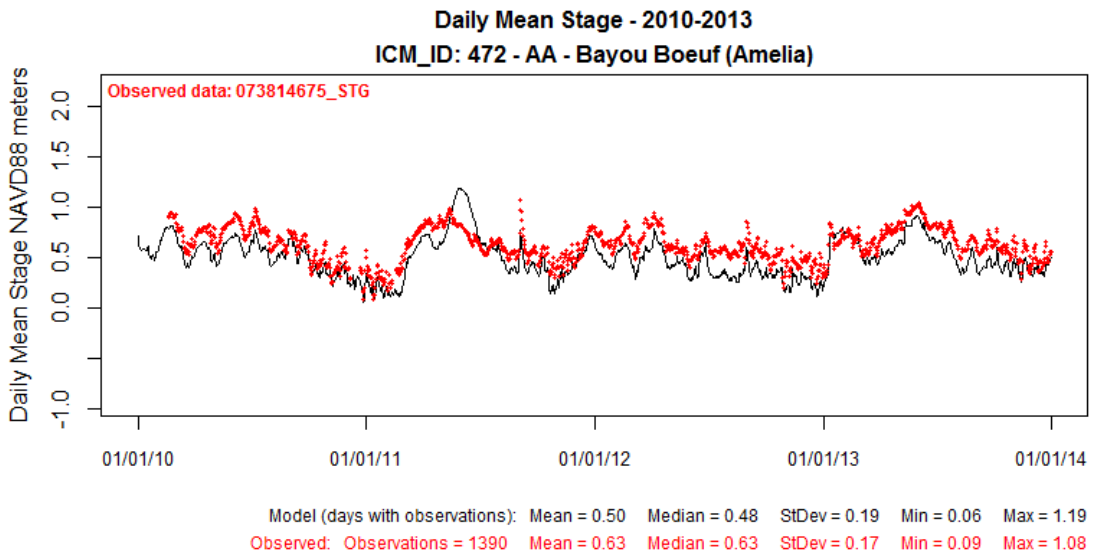


**Figure 221: Modeled Stage at ICM Compartment 472 (solid black line) Compared to Observed Data at USGS073814675 for Calibration Period 2010-2013.**

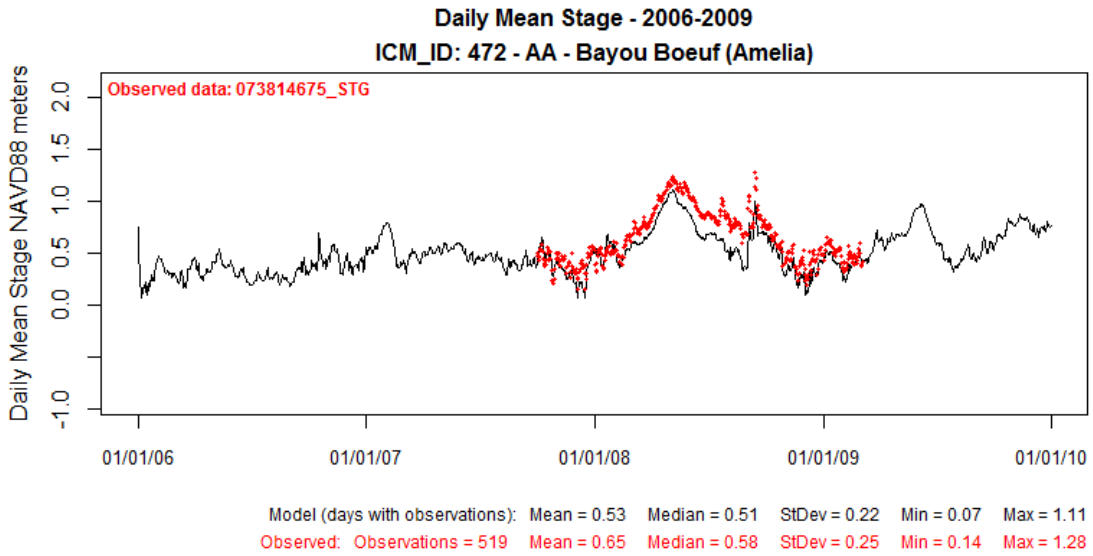


**Figure 222: Modeled Stage at ICM Compartment 472 (solid black line) Compared to Observed Data at USGS073814675 for Validation Period 2006-2009.**

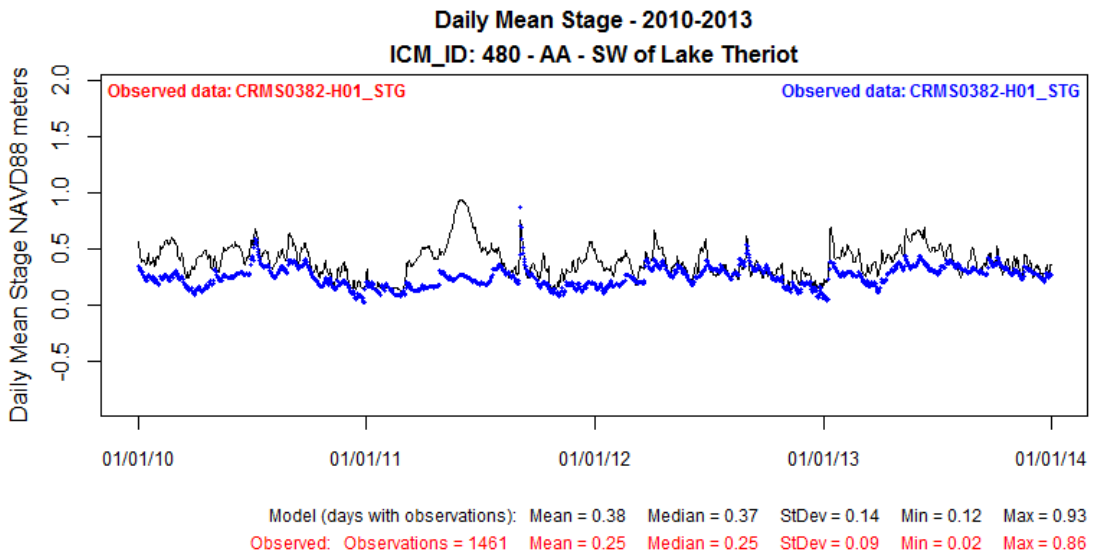


**Figure 223: Modeled Stage at ICM Compartment 480 (solid black line) Compared to Observed Data at CRMS0382-H01 for Calibration Period 2010-2013.**

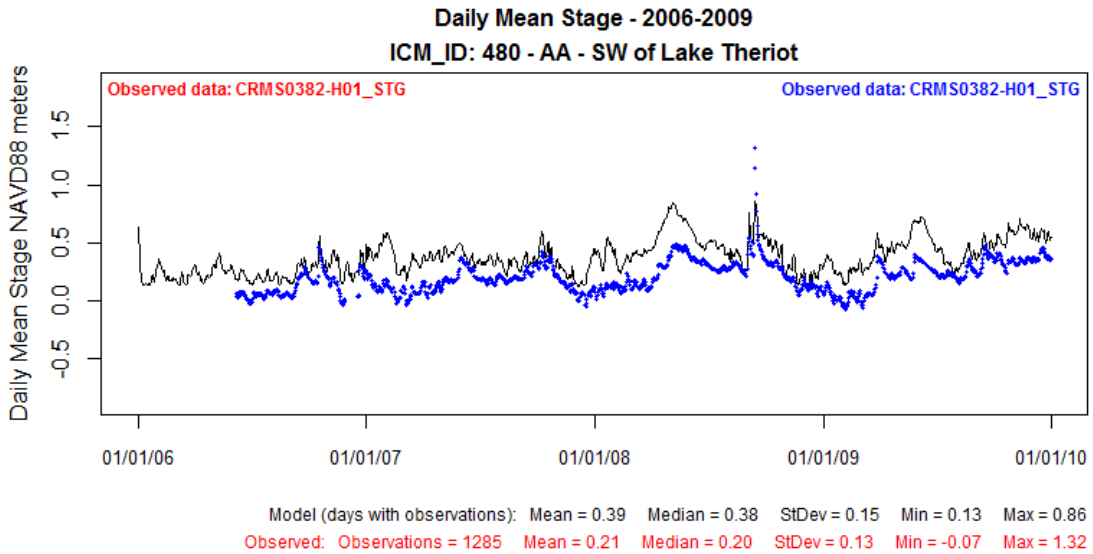


**Figure 224: Modeled Stage at ICM Compartment 480 (solid black line) Compared to Observed Data at CRMS0382-H01 for Validation Period 2006-2009.**

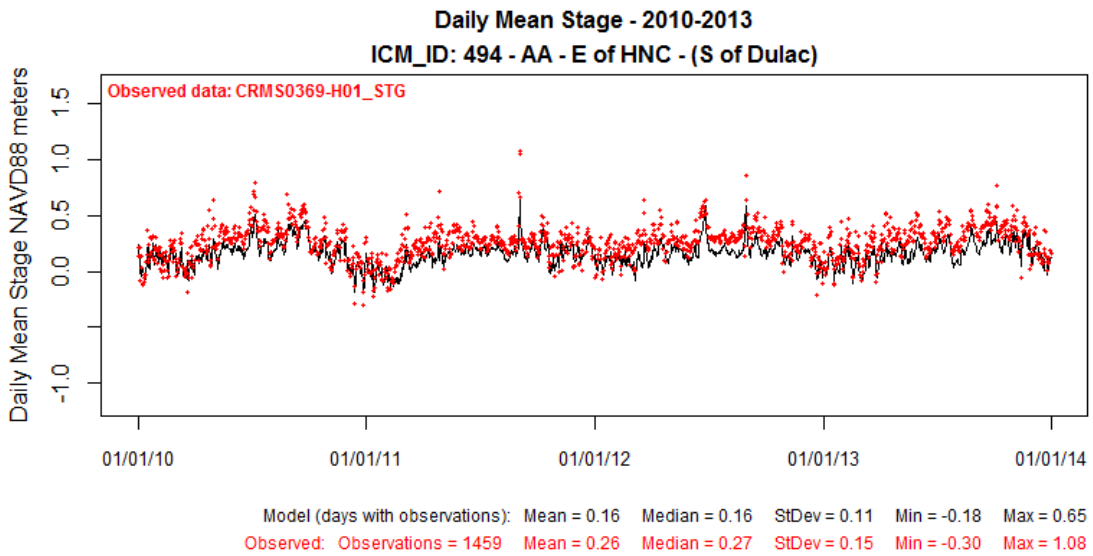


**Figure 225: Modeled Stage at ICM Compartment 494 (solid black line) Compared to Observed Data at CRMS0369-H01 for Calibration Period 2010-2013.**

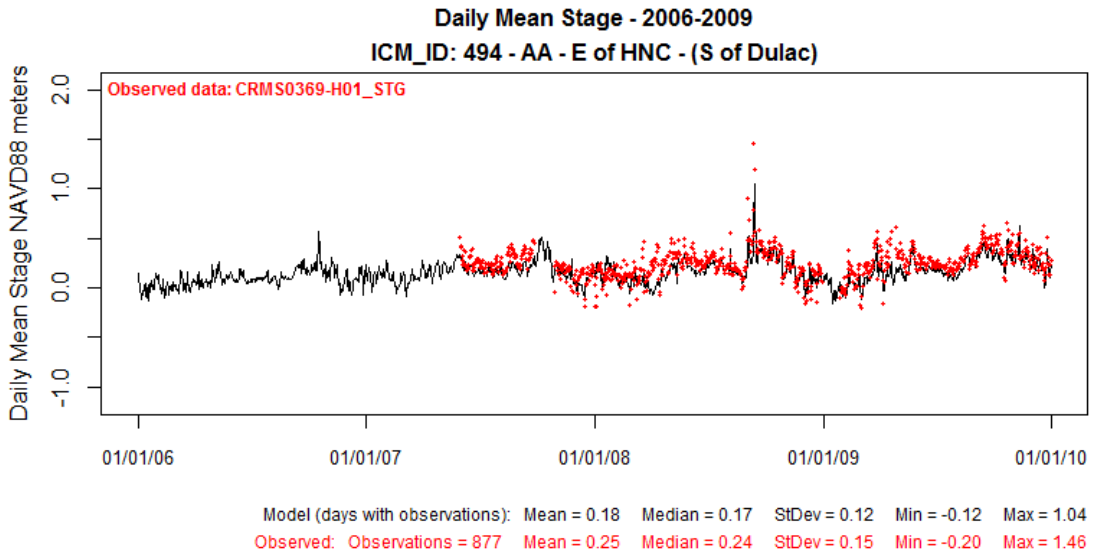


**Figure 226: Modeled Stage at ICM Compartment 494 (solid black line) Compared to Observed Data at CRMS0369-H01 for Validation Period 2006-2009.**

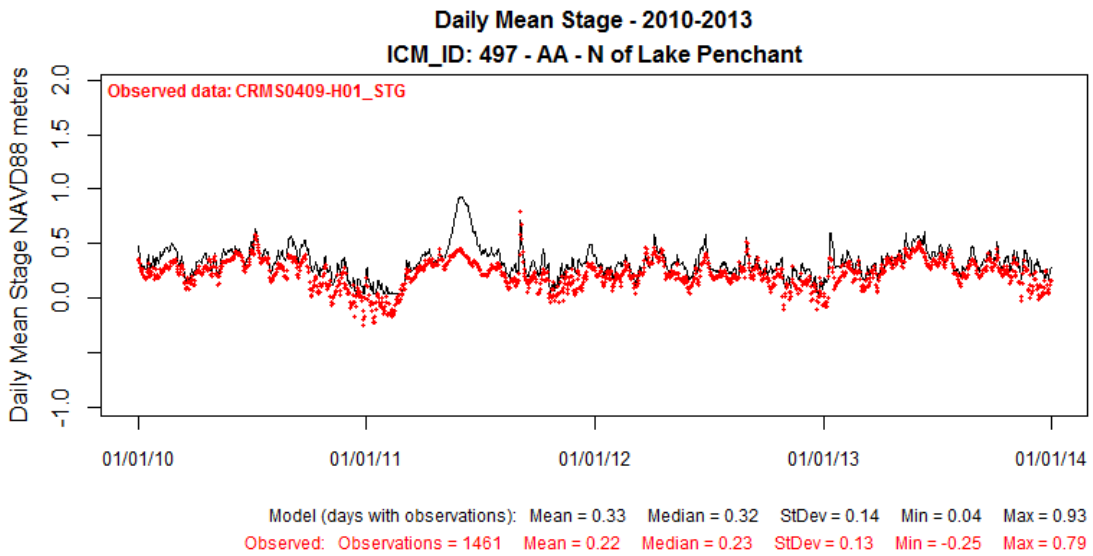


**Figure 227: Modeled Stage at ICM Compartment 497 (solid black line) Compared to Observed Data at CRMS0409-H01 for Calibration Period 2010-2013.**

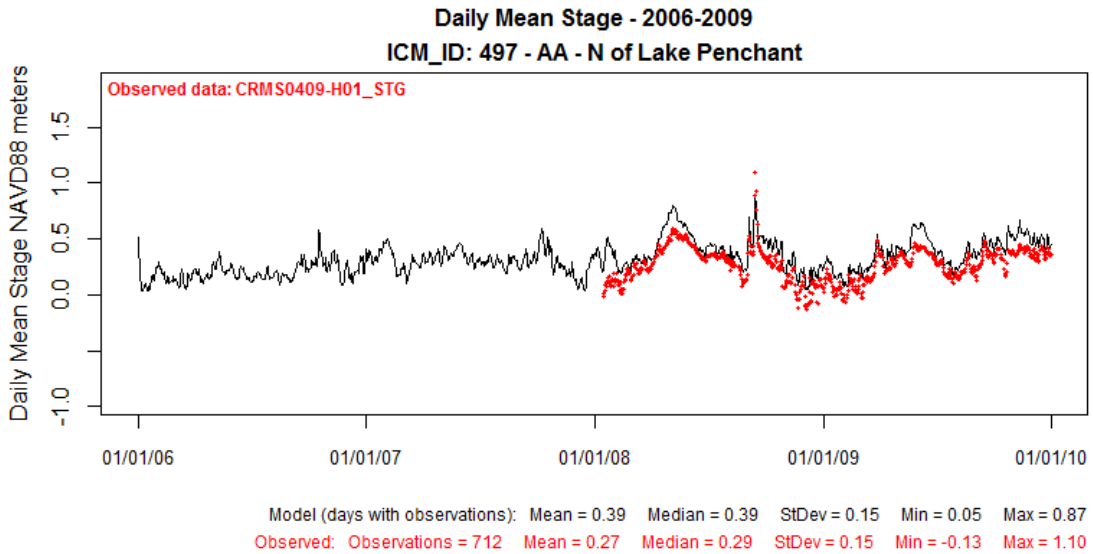


**Figure 228: Modeled Stage at ICM Compartment 497 (solid black line) Compared to Observed Data at CRMS0409-H01 for Validation Period 2006-2009.**

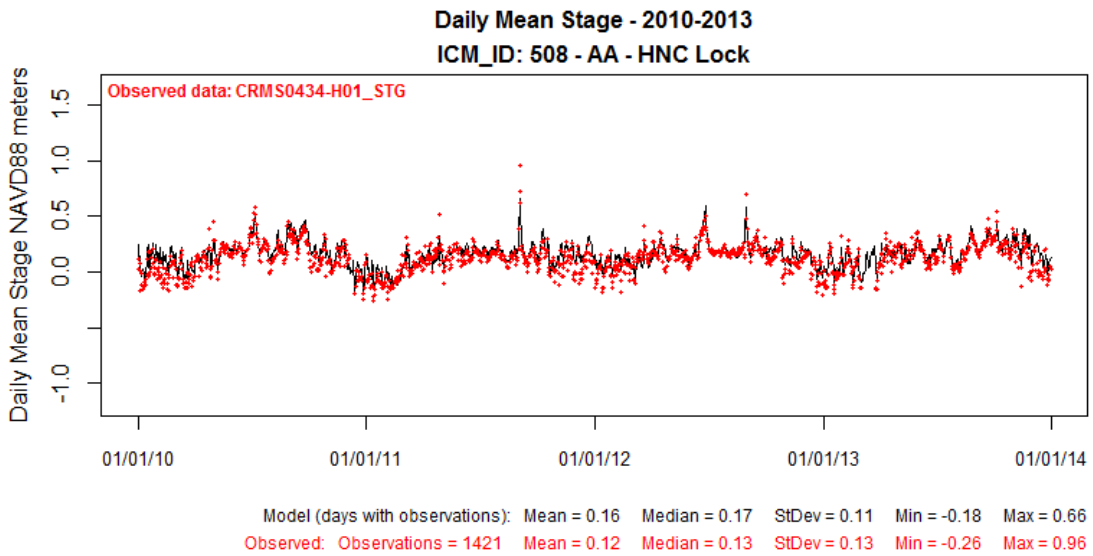


**Figure 229: Modeled Stage at ICM Compartment 508 (solid black line) Compared to Observed Data at CRMS0434-H01 for Calibration Period 2010-2013.**

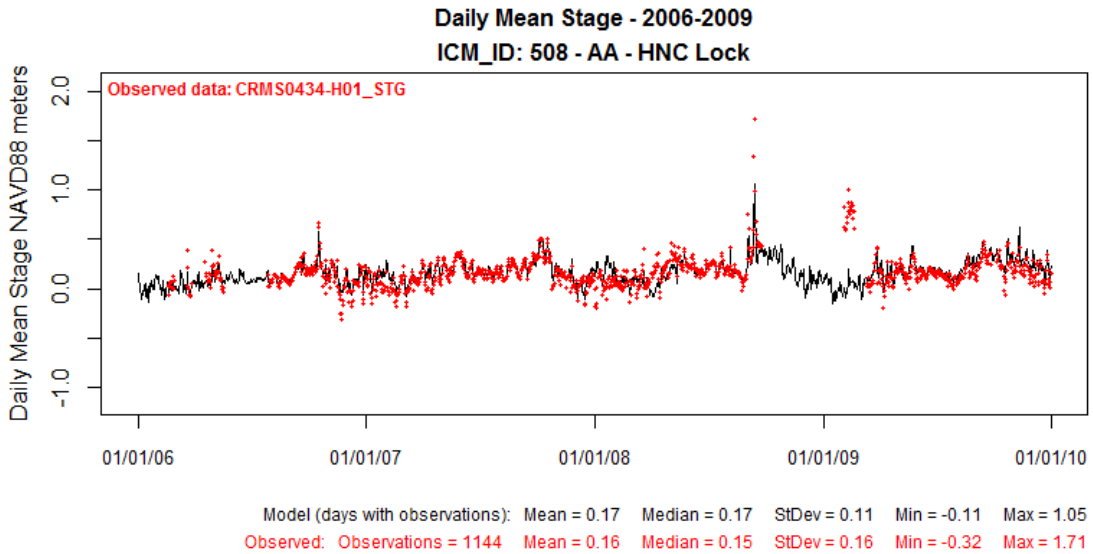


**Figure 230: Modeled Stage at ICM Compartment 508 (solid black line) Compared to Observed Data at CRMS0434-H01 for Validation Period 2006-2009.**

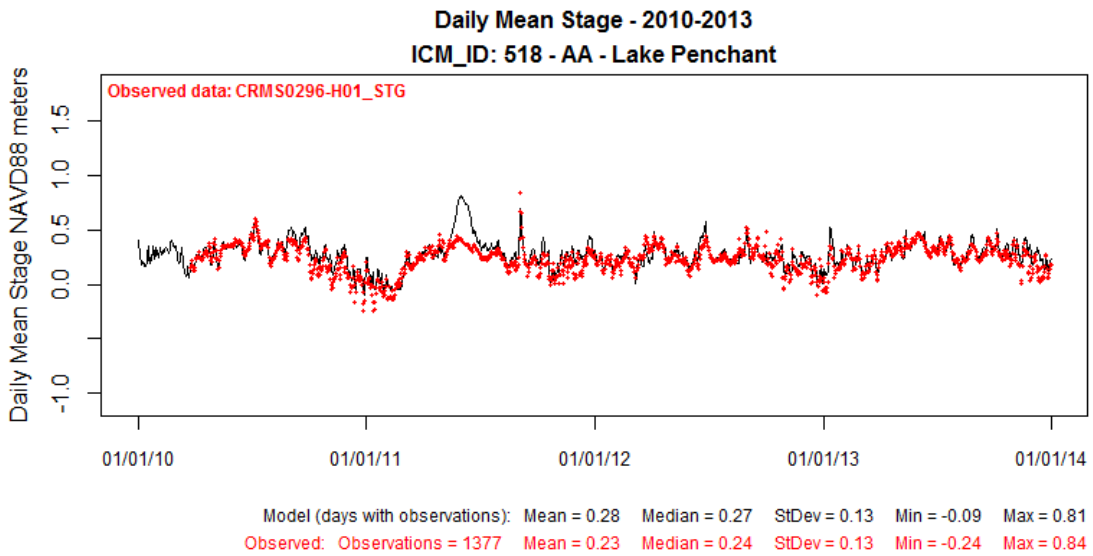


**Figure 231: Modeled Stage at ICM Compartment 518 (solid black line) Compared to Observed Data at CRMS0296-H01 for Calibration Period 2010-2013.**

**Figure 232: No Validation figure for ICM Compartment 518.**

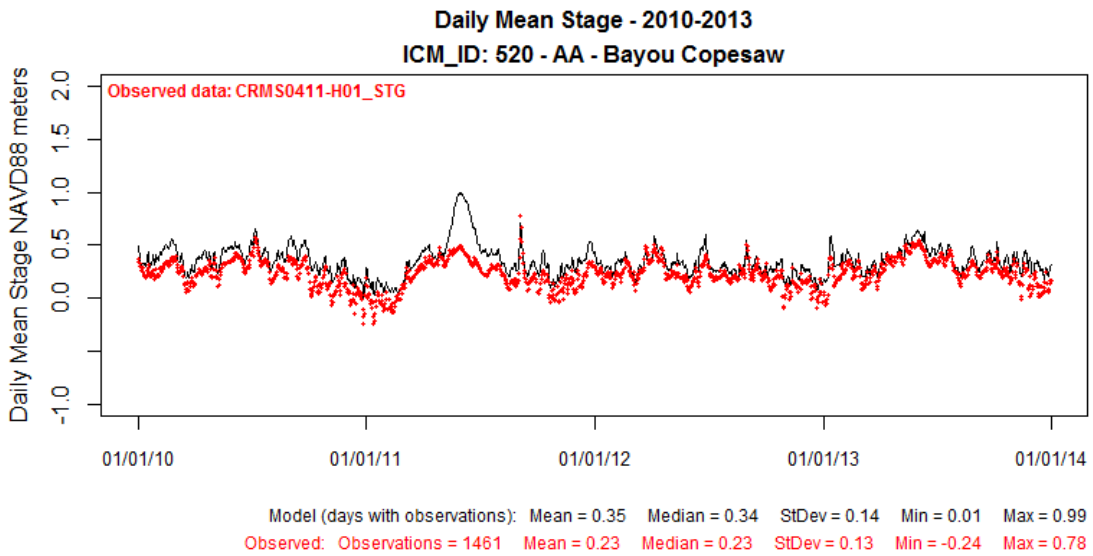


**Figure 233: Modeled Stage at ICM Compartment 520 (solid black line) Compared to Observed Data at CRMS0411-H01 for Calibration Period 2010-2013.**

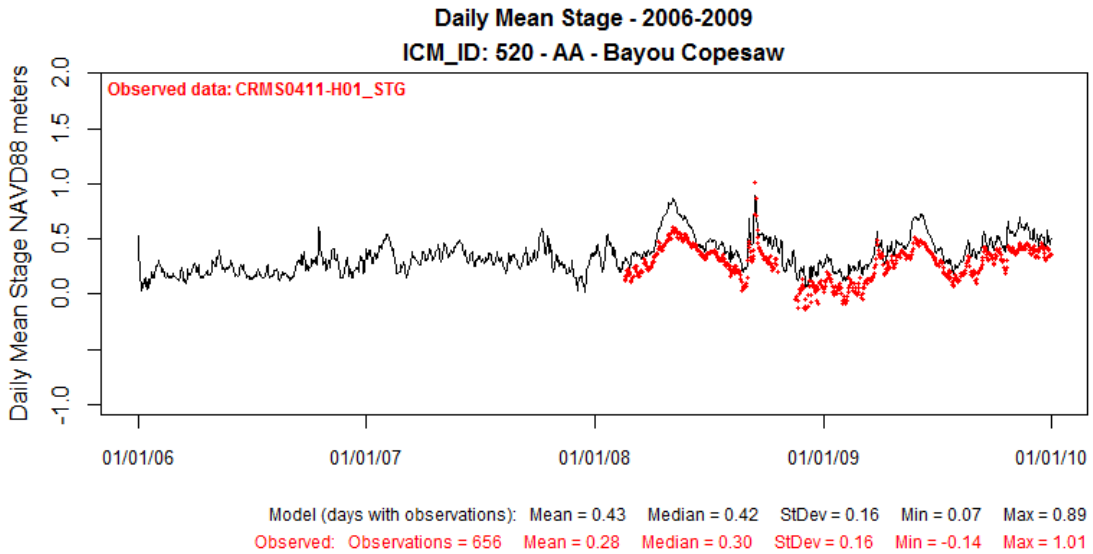


**Figure 234: Modeled Stage at ICM Compartment 520 (solid black line) Compared to Observed Data at CRMS0411-H01 for Validation Period 2006-2009.**

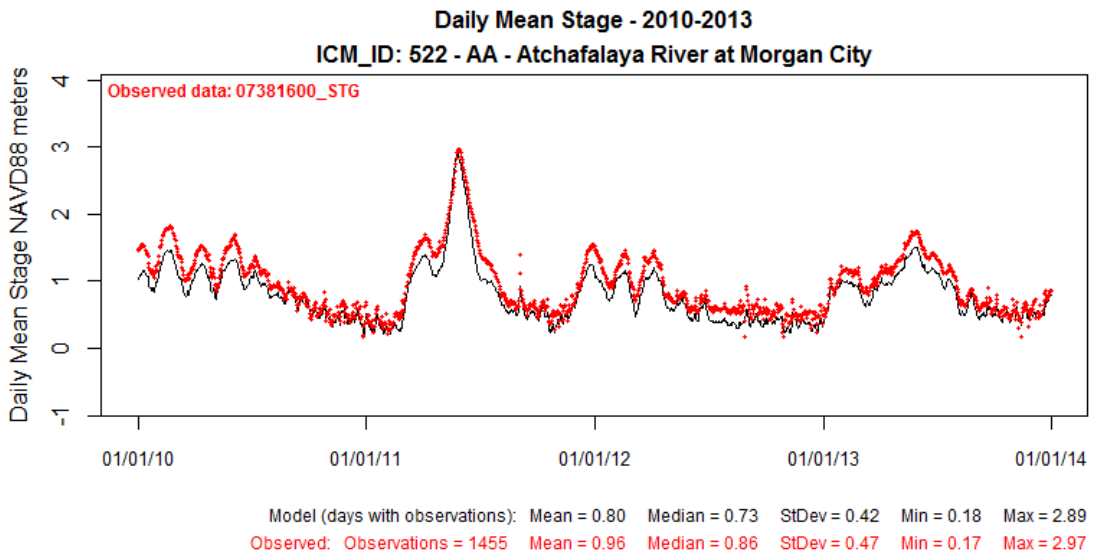


**Figure 235: Modeled Stage at ICM Compartment 522 (solid black line) Compared to Observed Data at USGS07381600 for Calibration Period 2010-2013.**

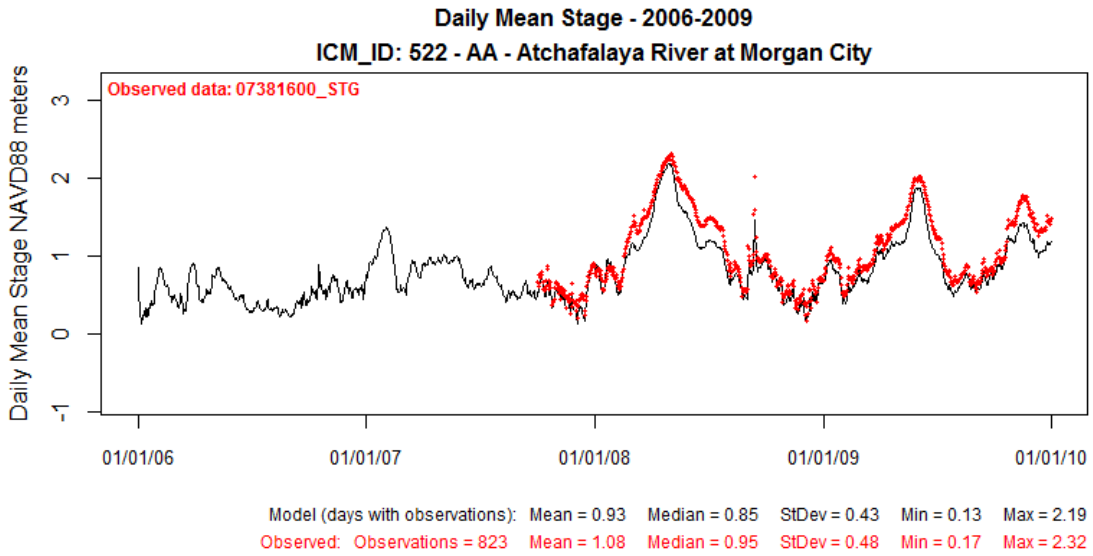


**Figure 236: Modeled Stage at ICM Compartment 522 (solid black line) Compared to Observed Data at USGS07381600 for Validation Period 2006-2009.**

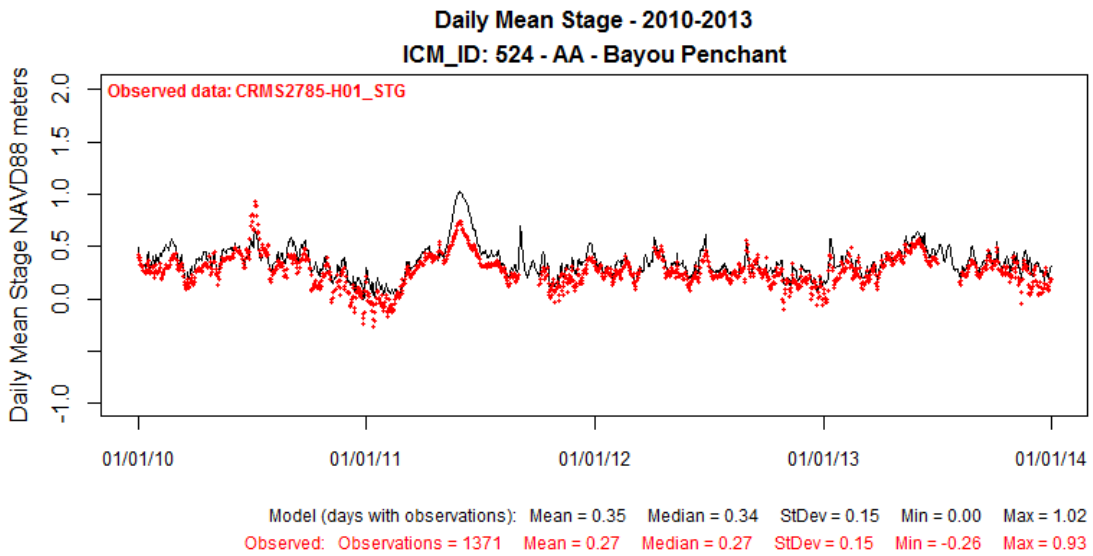


**Figure 237: Modeled Stage at ICM Compartment 524 (solid black line) Compared to Observed Data at CRMS2785-H01 for Calibration Period 2010-2013.**

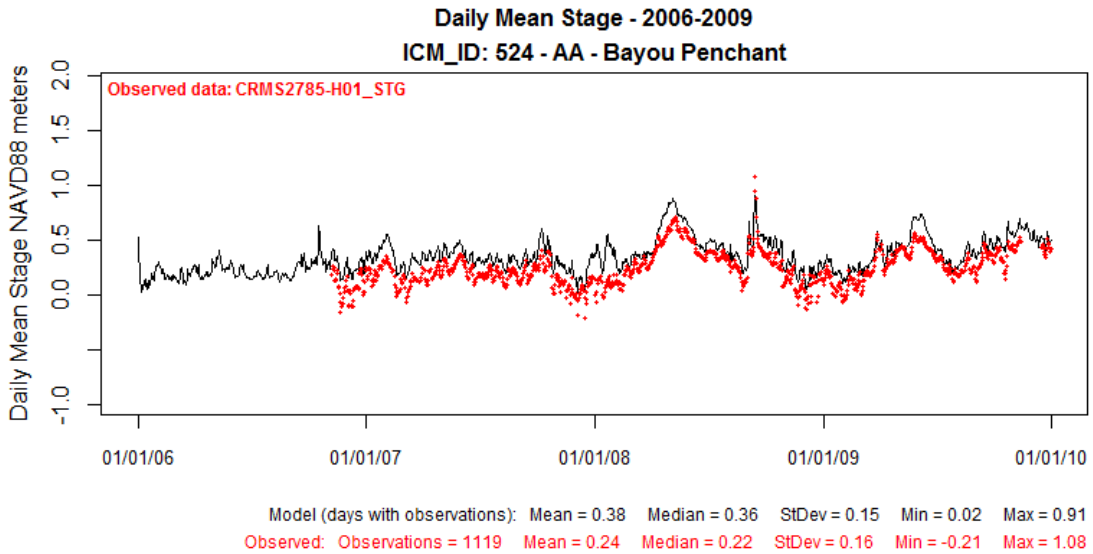


**Figure 238: Modeled Stage at ICM Compartment 524 (solid black line) Compared to Observed Data at CRMS2785-H01 for Validation Period 2006-2009.**

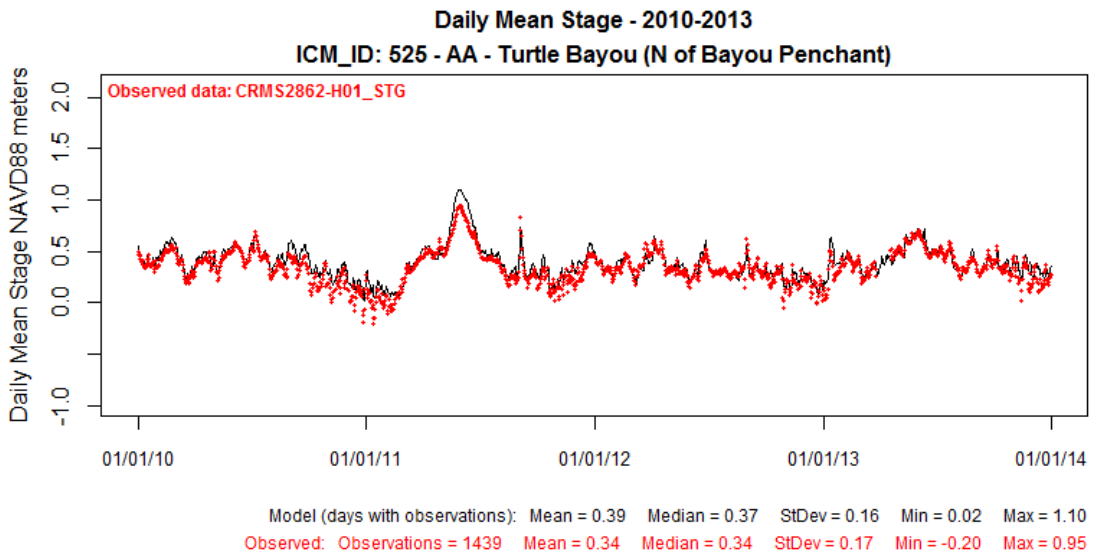


**Figure 239: Modeled Stage at ICM Compartment 525 (solid black line) Compared to Observed Data at CRMS2862-H01 for Calibration Period 2010-2013.**

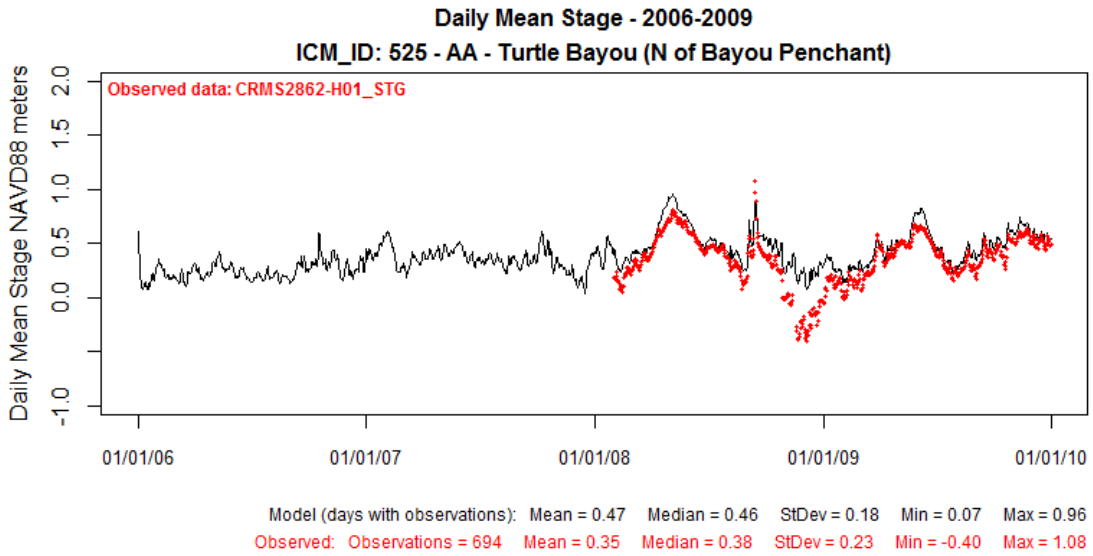


**Figure 240: Modeled Stage at ICM Compartment 525 (solid black line) Compared to Observed Data at CRMS2862-H01 for Validation Period 2006-2009.**

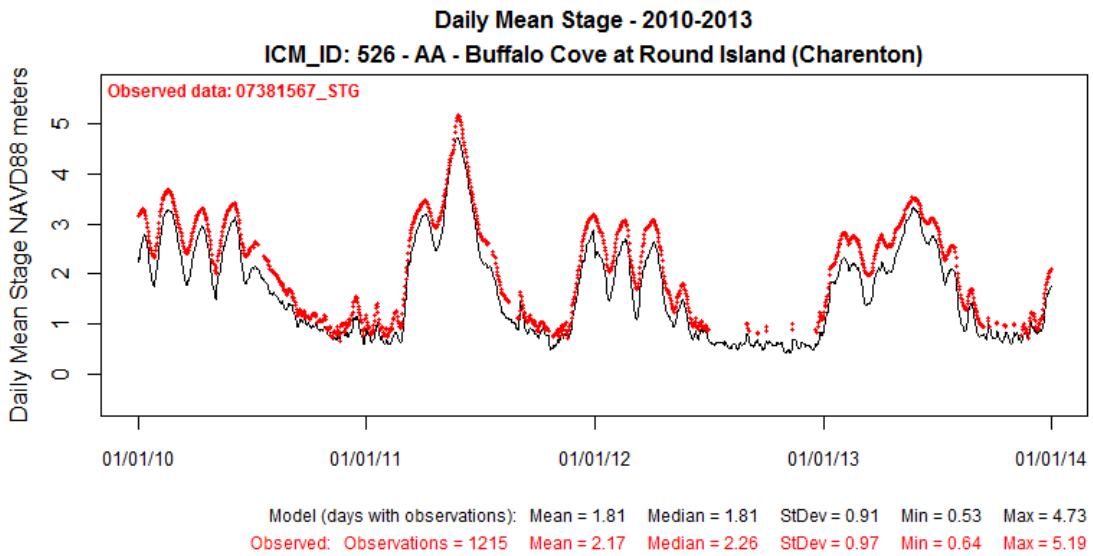


**Figure 241: Modeled Stage at ICM Compartment 526 (solid black line) Compared to Observed Data at USGS07381567 for Calibration Period 2010-2013.**

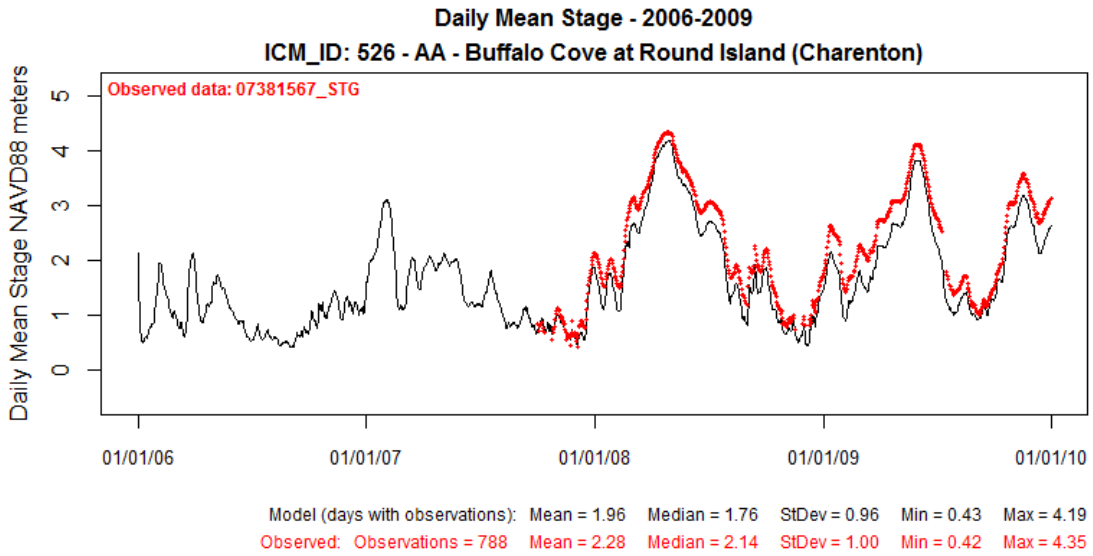


**Figure 242: Modeled Stage at ICM Compartment 526 (solid black line) Compared to Observed Data at USGS07381567 for Validation Period 2006-2009.**

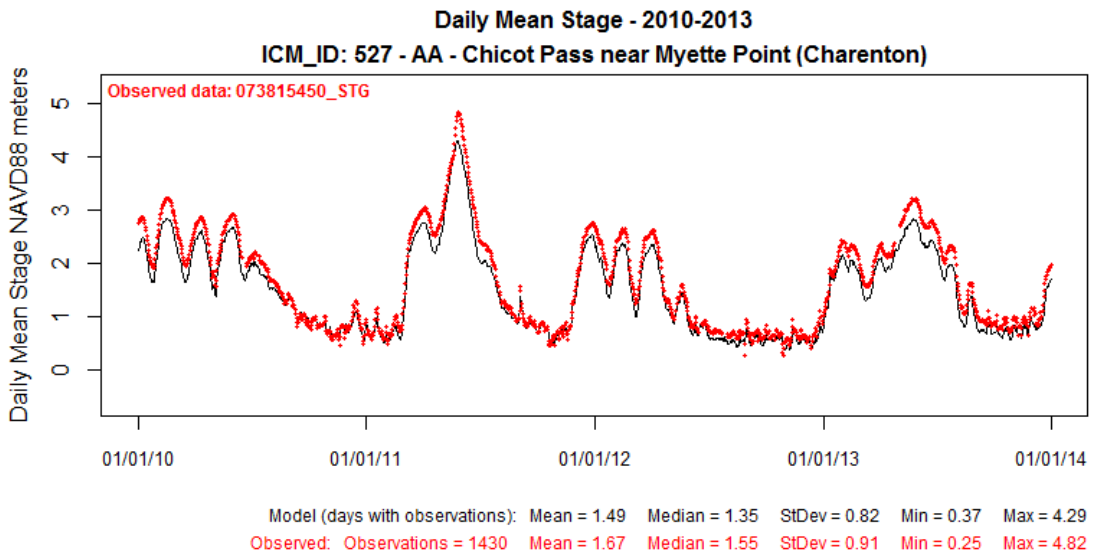


**Figure 243: Modeled Stage at ICM Compartment 527 (solid black line) Compared to Observed Data at USGS073815450 for Calibration Period 2010-2013.**

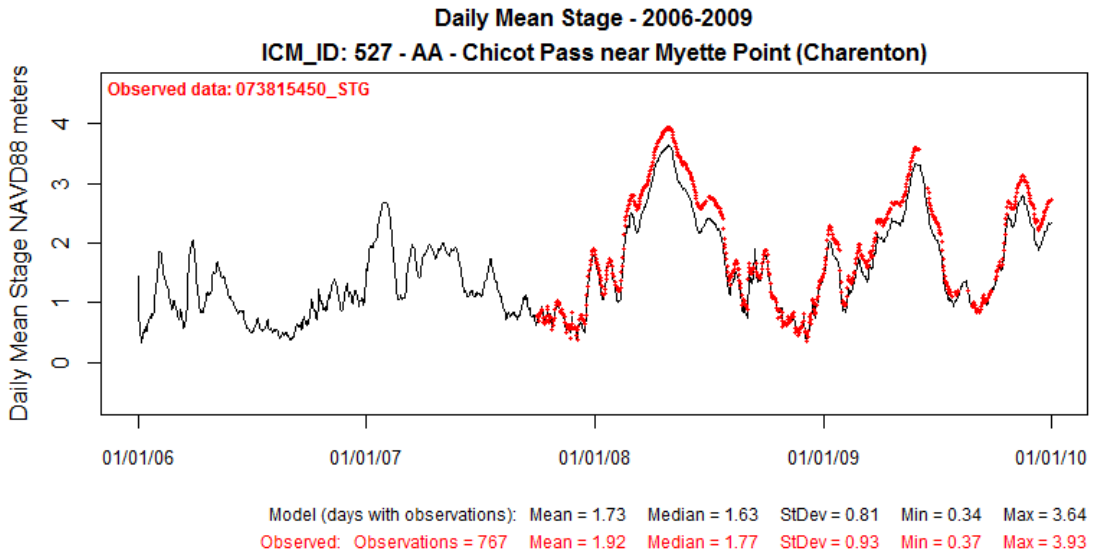


**Figure 244: Modeled Stage at ICM Compartment 527 (solid black line) Compared to Observed Data at USGS073815450 for Validation Period 2006-2009.**

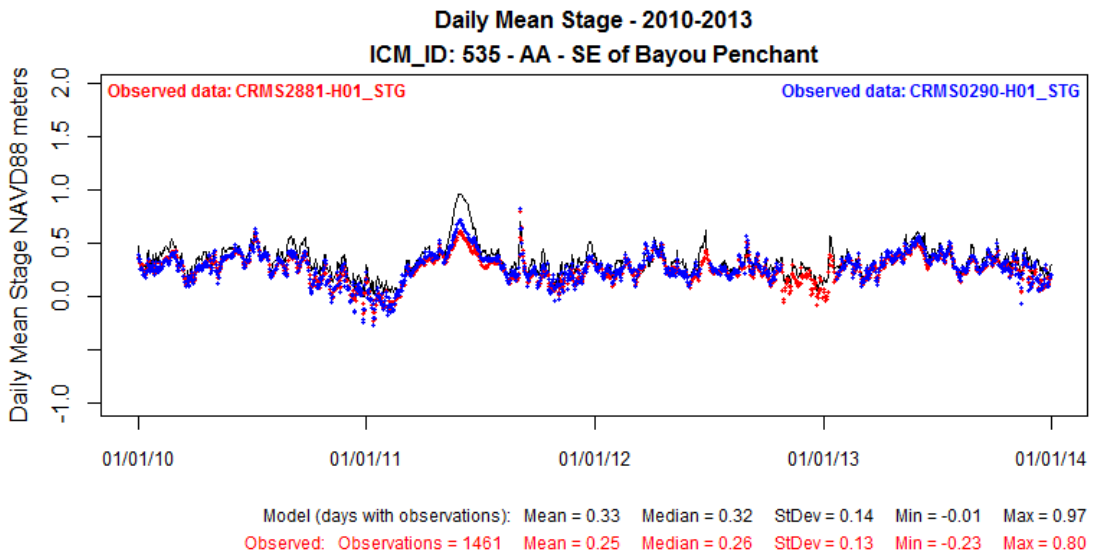


**Figure 245: Modeled Stage at ICM Compartment 535 (solid black line) Compared to Observed Data at CRMS2881-H01 for Calibration Period 2010-2013.**

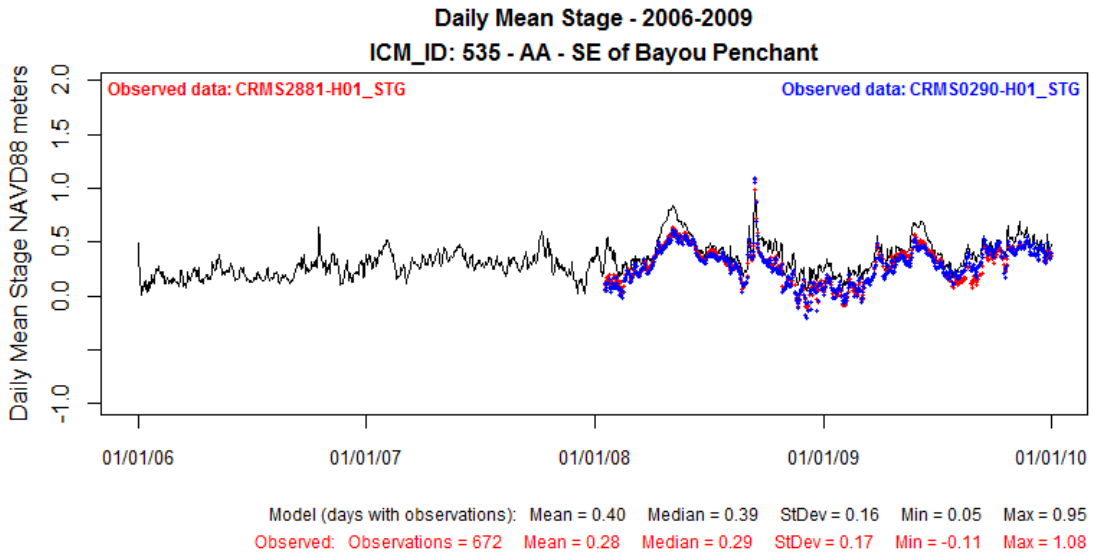


**Figure 246: Modeled Stage at ICM Compartment 535 (solid black line) Compared to Observed Data at CRMS2881-H01 for Validation Period 2006-2009.**

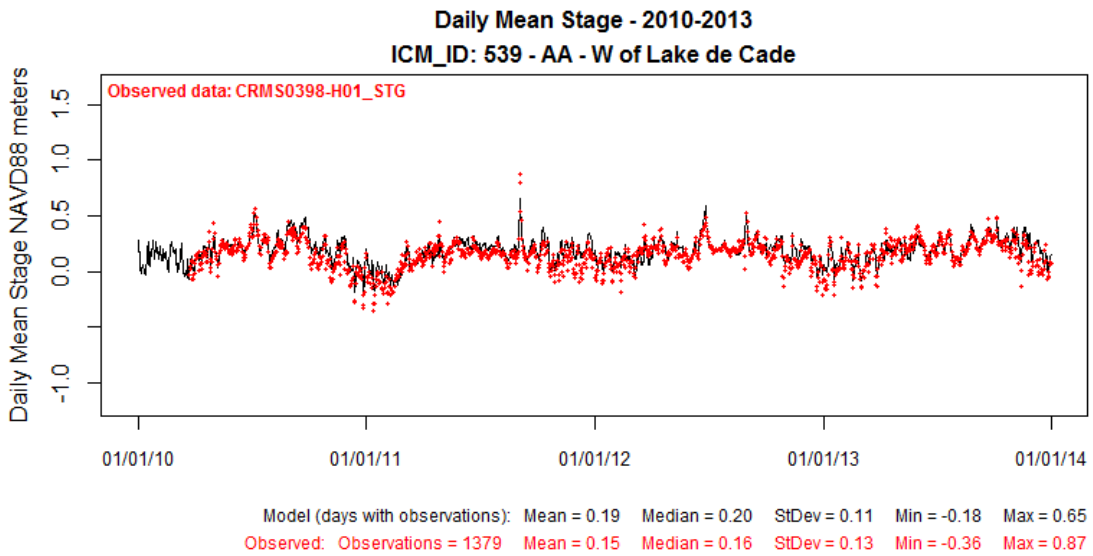


**Figure 247: Modeled Stage at ICM Compartment 539 (solid black line) Compared to Observed Data at CRMS0398-H01 for Calibration Period 2010-2013.**

**Figure 248: No Validation figure for ICM Compartment 539.**

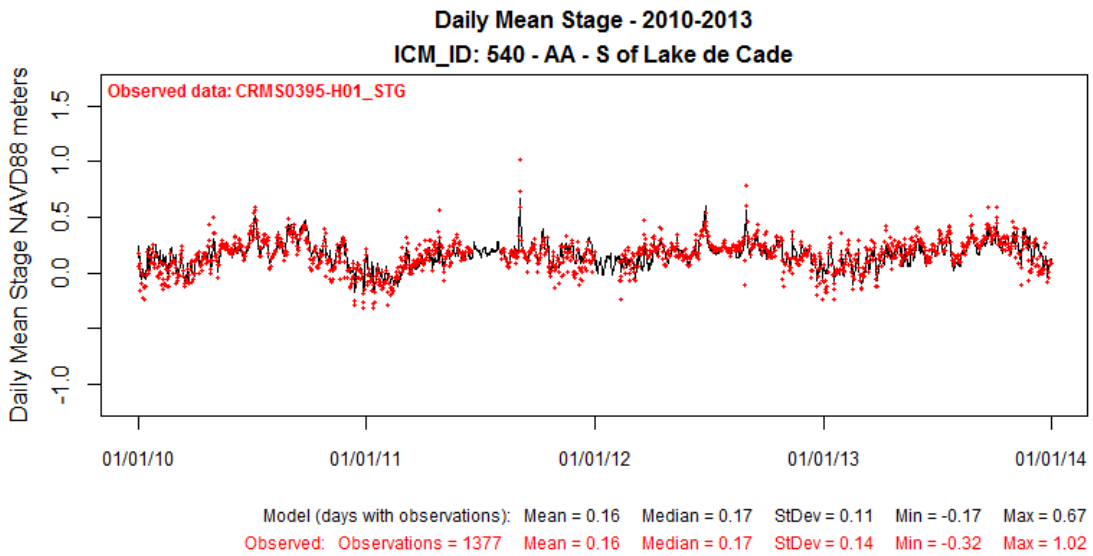


**Figure 249: Modeled Stage at ICM Compartment 540 (solid black line) Compared to Observed Data at CRMS0395-H01 for Calibration Period 2010-2013.**

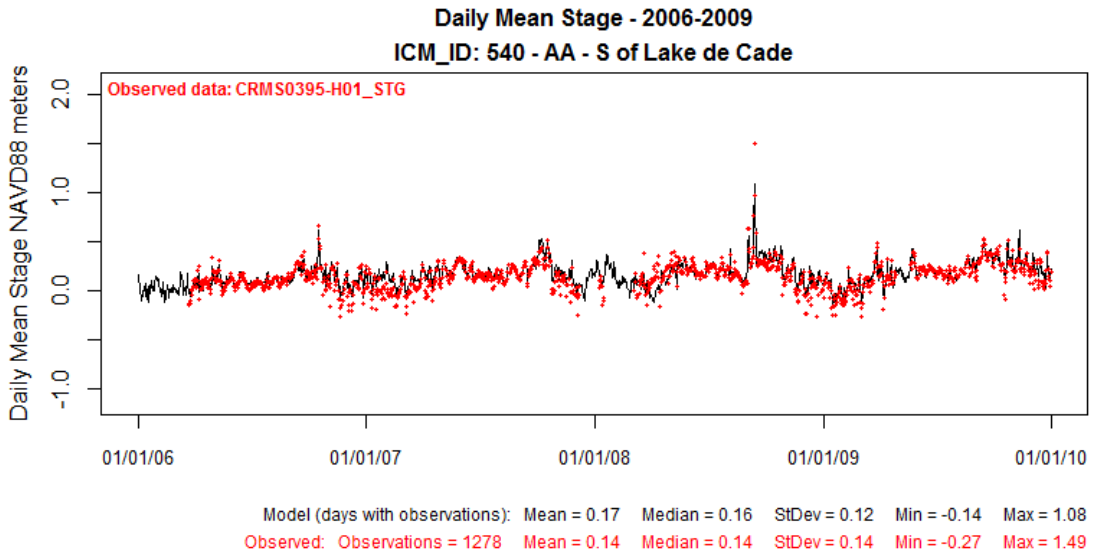


**Figure 250: Modeled Stage at ICM Compartment 540 (solid black line) Compared to Observed Data at CRMS0395-H01 for Validation Period 2006-2009.**

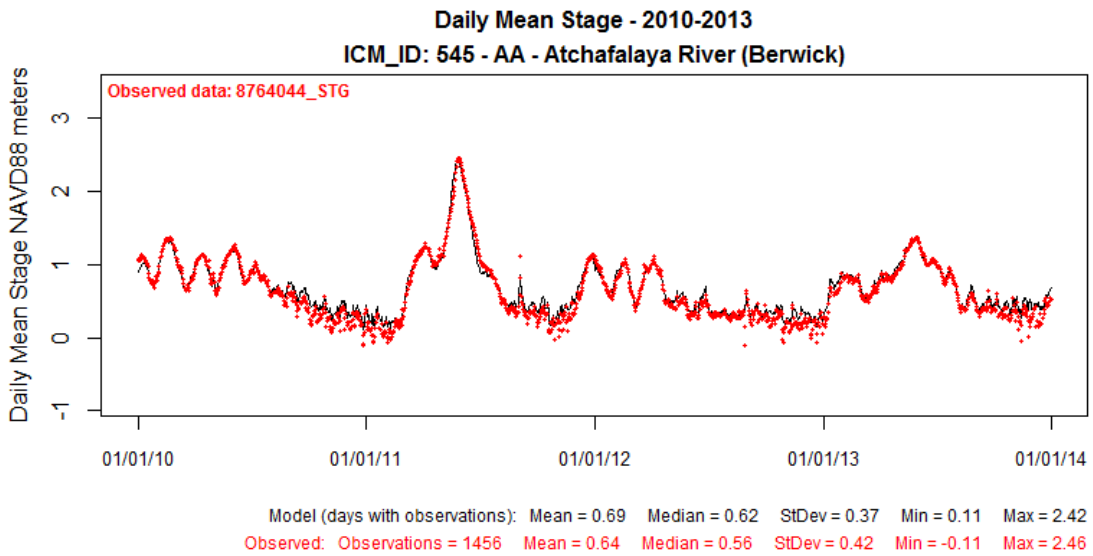


**Figure 251: Modeled Stage at ICM Compartment 545 (solid black line) Compared to Observed Data at USGS8764044 for Calibration Period 2010-2013.**

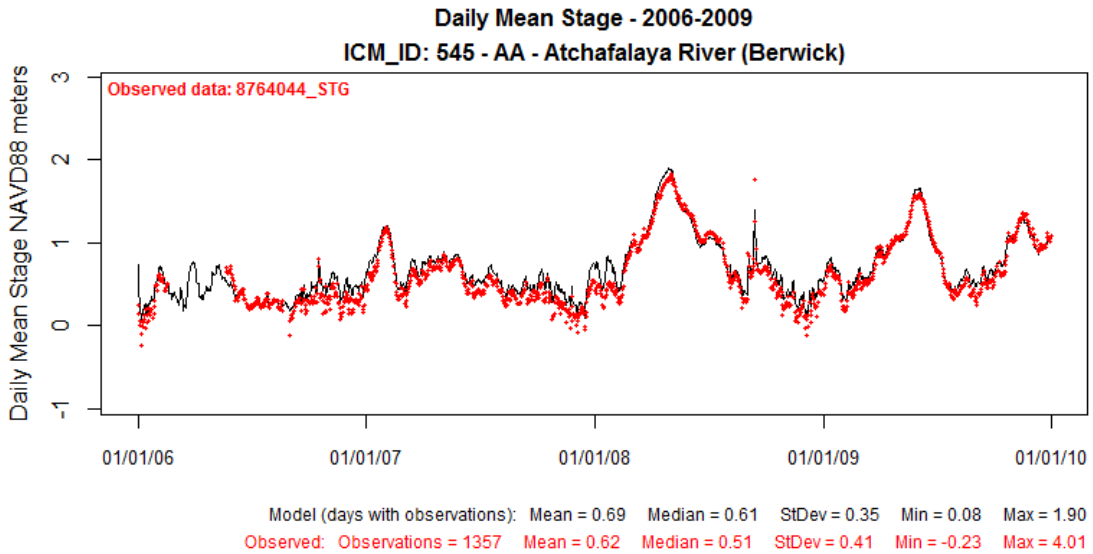


**Figure 252: Modeled Stage at ICM Compartment 545 (solid black line) Compared to Observed Data at USGS8764044 for Validation Period 2006-2009.**

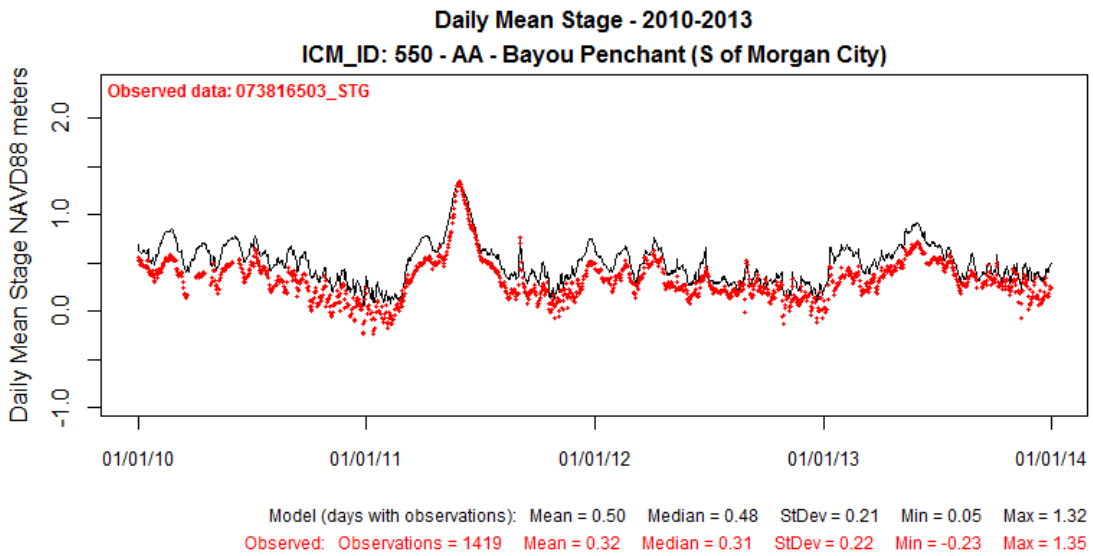


**Figure 253: Modeled Stage at ICM Compartment 550 (solid black line) Compared to Observed Data at USGS073816503 for Calibration Period 2010-2013.**

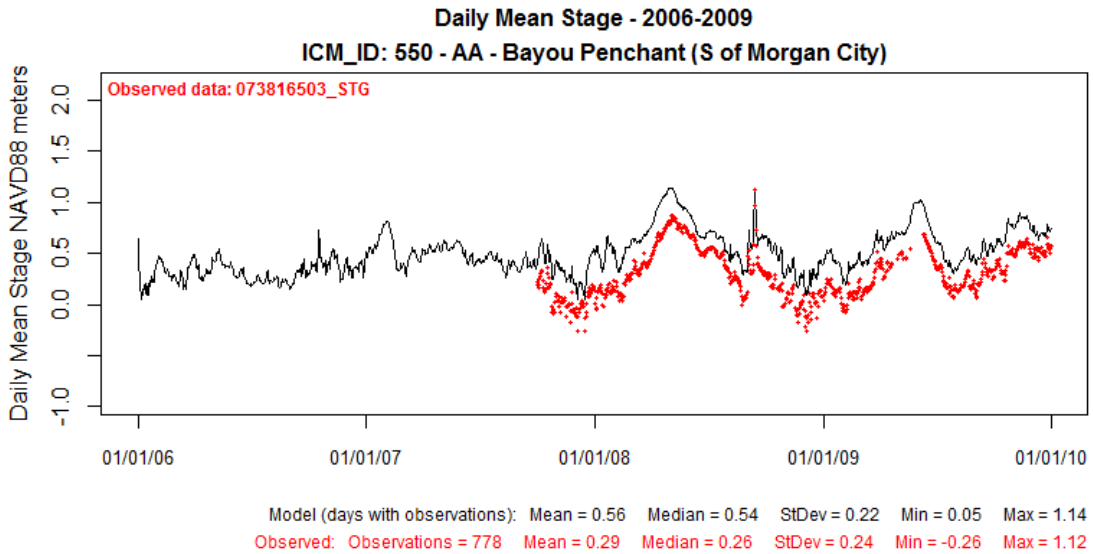


**Figure 254: Modeled Stage at ICM Compartment 550 (solid black line) Compared to Observed Data at USGS073816503 for Validation Period 2006-2009.**

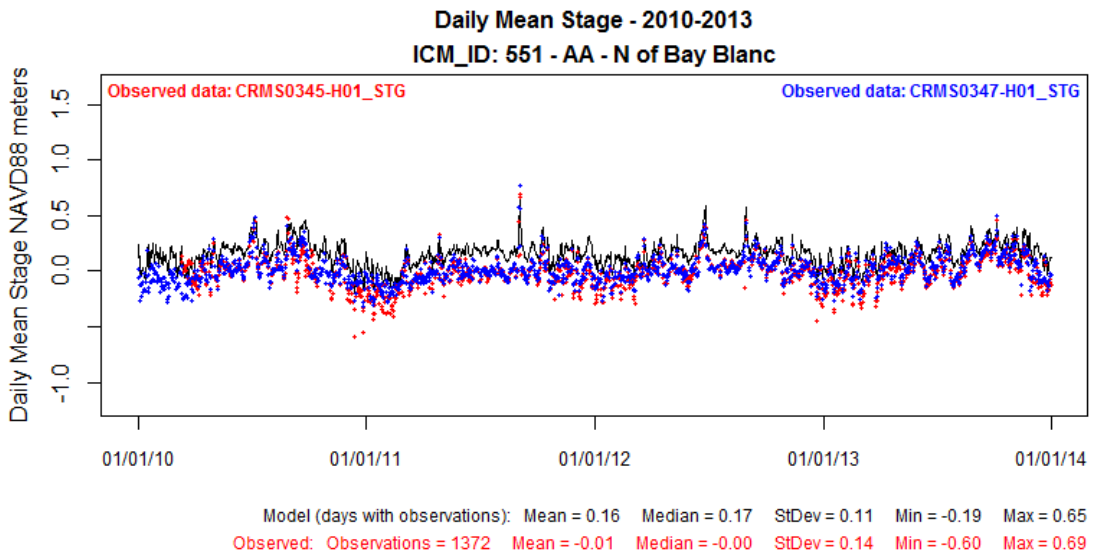


**Figure 255: Modeled Stage at ICM Compartment 551 (solid black line) Compared to Observed Data at CRMS0345-H01 for Calibration Period 2010-2013.**

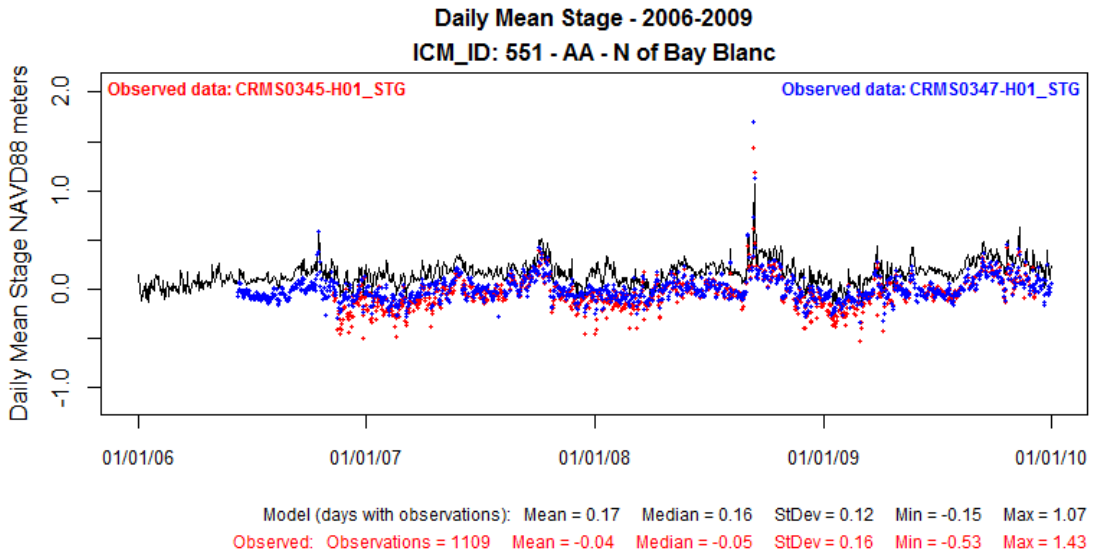


**Figure 256: Modeled Stage at ICM Compartment 551 (solid black line) Compared to Observed Data at CRMS0345-H01 for Validation Period 2006-2009.**

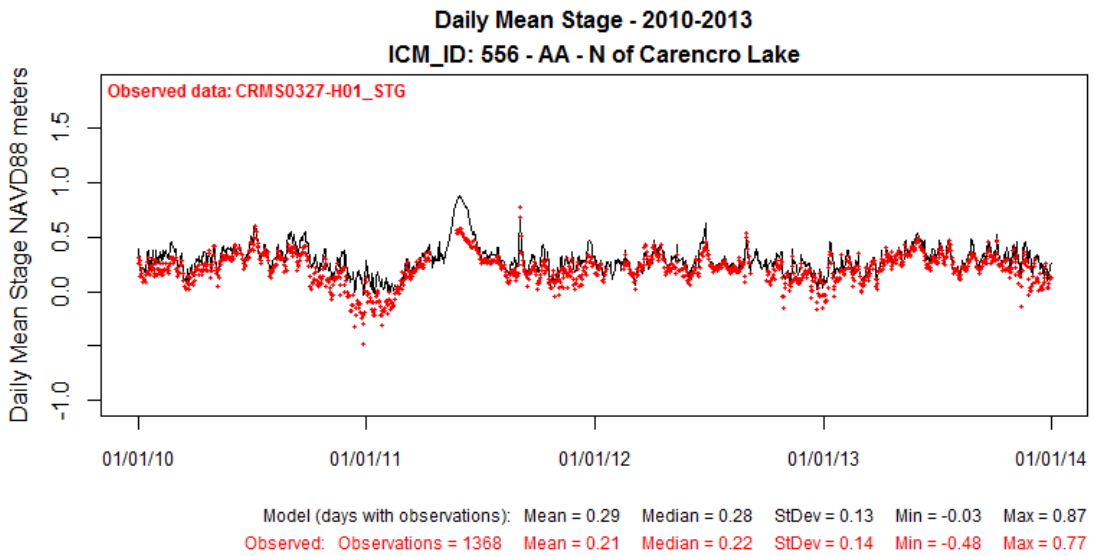


**Figure 257: Modeled Stage at ICM Compartment 556 (solid black line) Compared to Observed Data at CRMS0327-H01 for Calibration Period 2010-2013.**

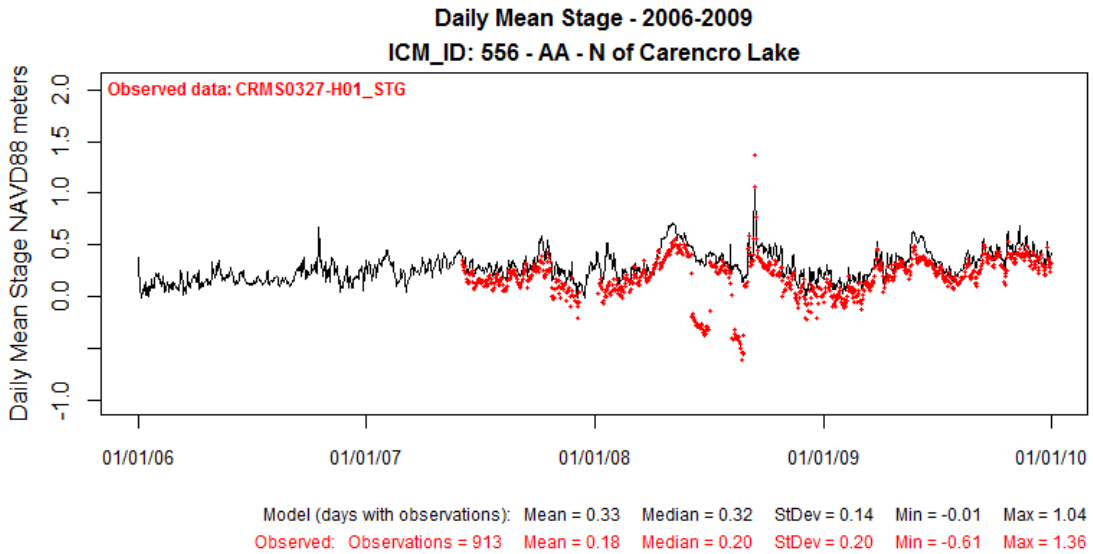


**Figure 258: Modeled Stage at ICM Compartment 556 (solid black line) Compared to Observed Data at CRMS0327-H01 for Validation Period 2006-2009.**

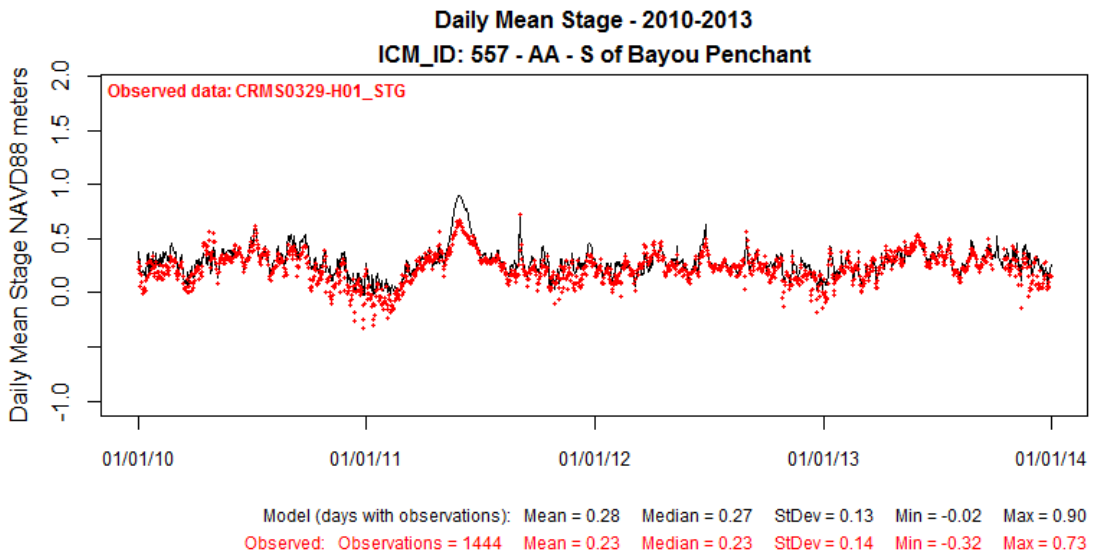


**Figure 259: Modeled Stage at ICM Compartment 557 (solid black line) Compared to Observed Data at CRMS0329-H01 for Calibration Period 2010-2013.**

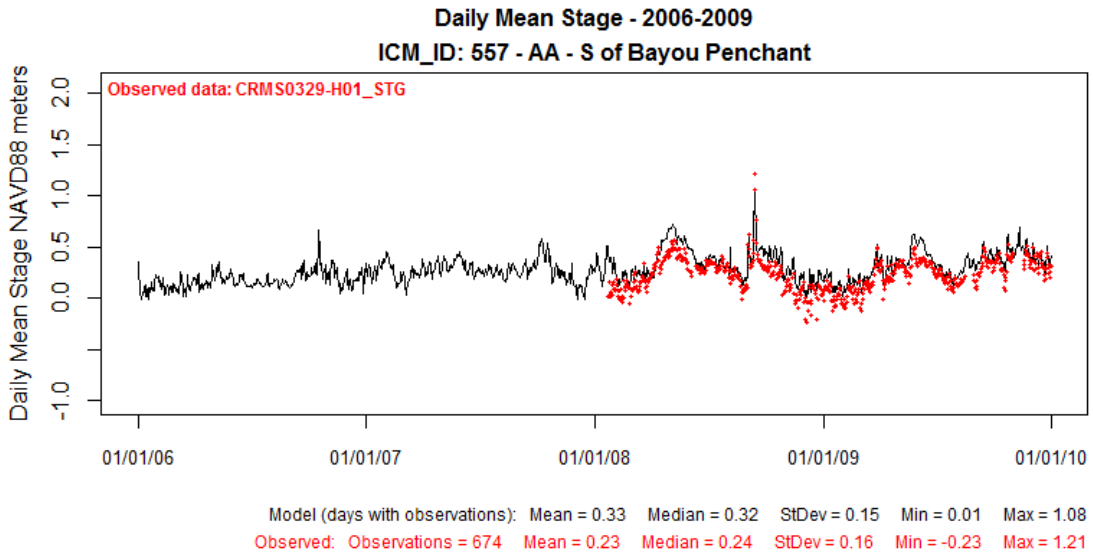


**Figure 260: Modeled Stage at ICM Compartment 557 (solid black line) Compared to Observed Data at CRMS0329-H01 for Validation Period 2006-2009.**

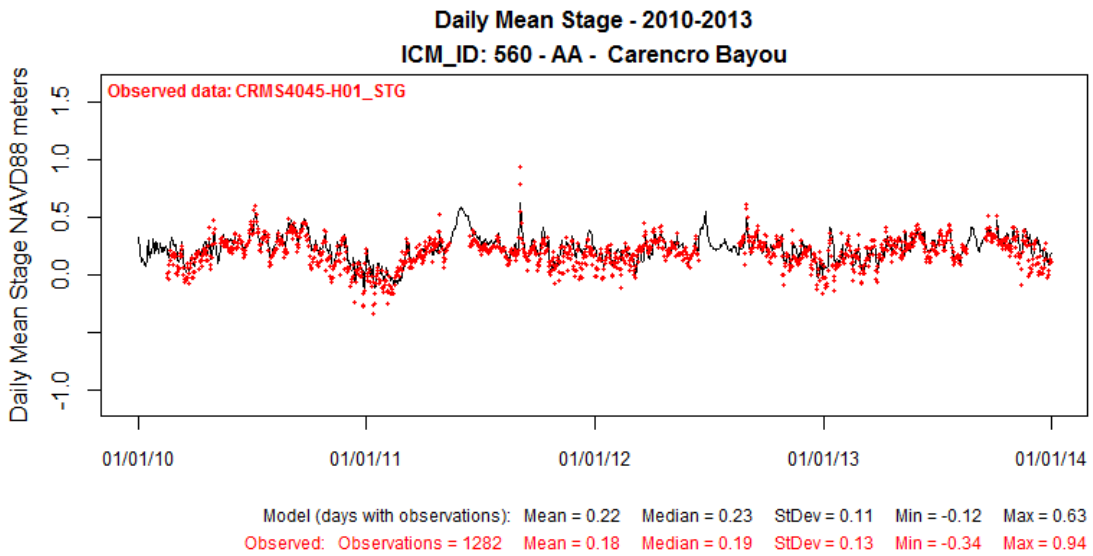


**Figure 261: Modeled Stage at ICM Compartment 560 (solid black line) Compared to Observed Data at CRMS4045-H01 for Calibration Period 2010-2013.**

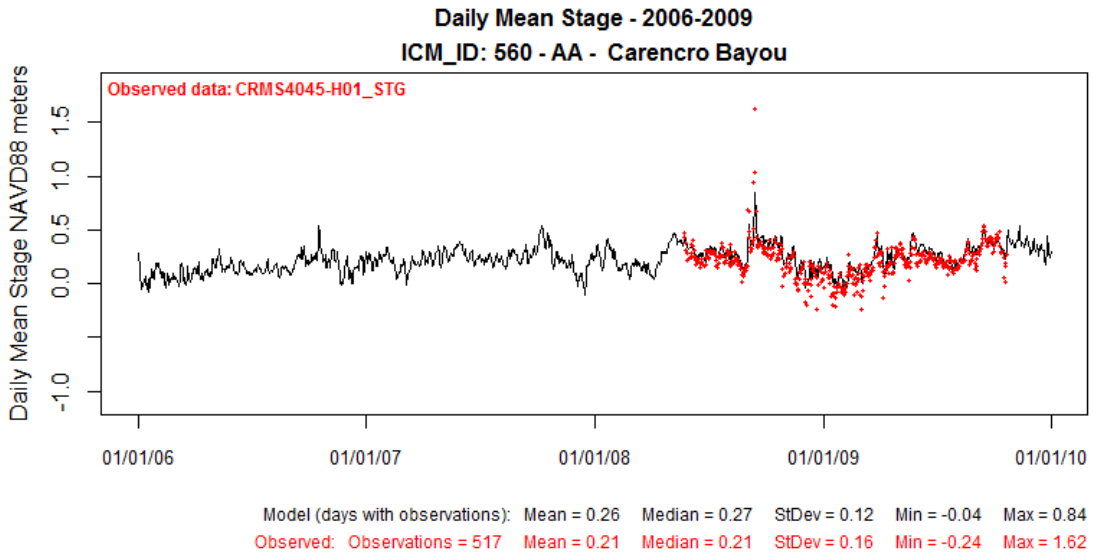


**Figure 262: Modeled Stage at ICM Compartment 560 (solid black line) Compared to Observed Data at CRMS4045-H01 for Validation Period 2006-2009.**

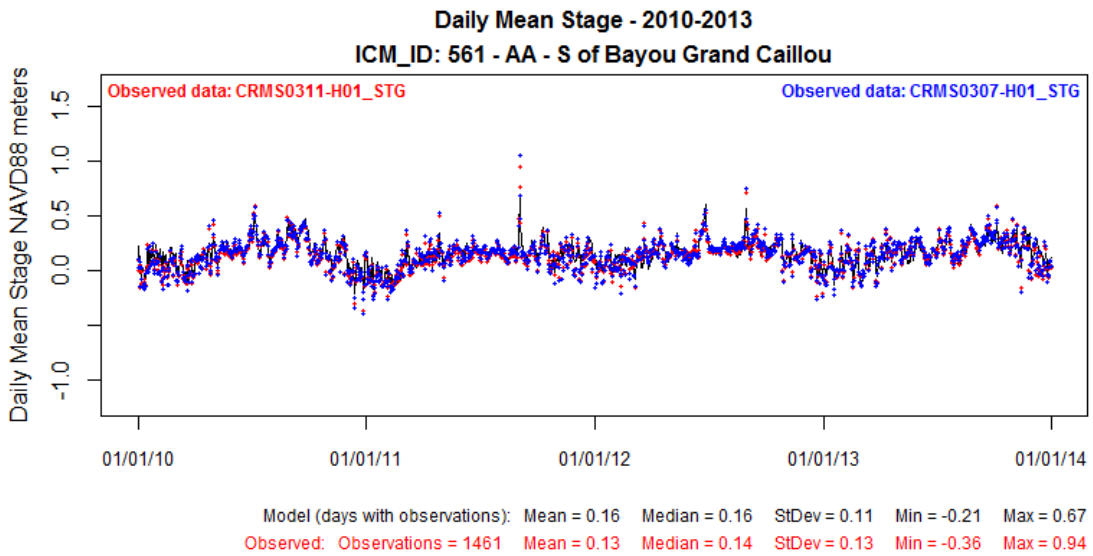


**Figure 263: Modeled Stage at ICM Compartment 561 (solid black line) Compared to Observed Data at CRMS0311-H01 for Calibration Period 2010-2013.**

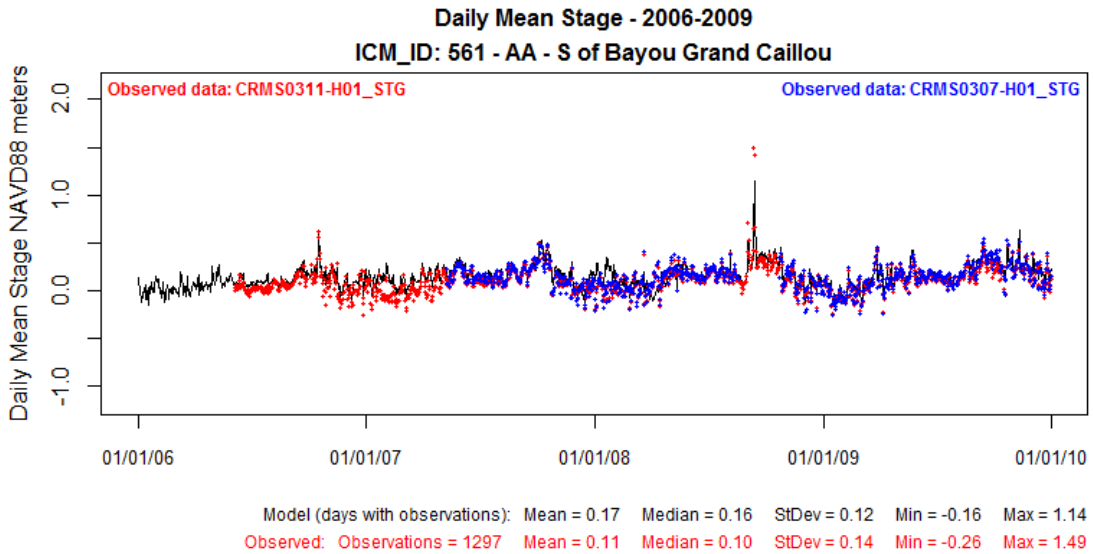


**Figure 264: Modeled Stage at ICM Compartment 561 (solid black line) Compared to Observed Data at CRMS0311-H01 for Validation Period 2006-2009.**

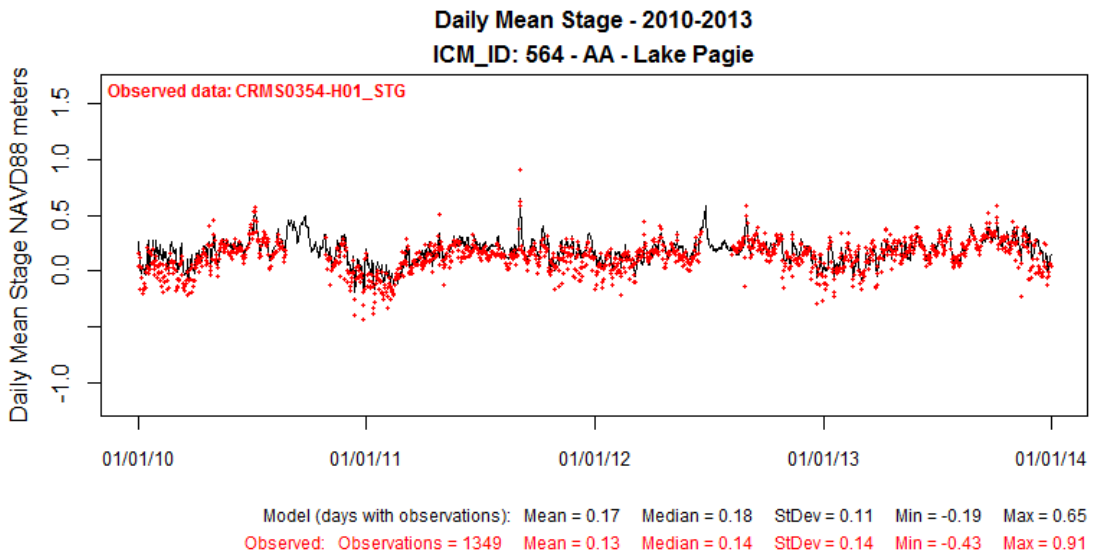


**Figure 265: Modeled Stage at ICM Compartment 564 (solid black line) Compared to Observed Data at CRMS0354-H01 for Calibration Period 2010-2013.**

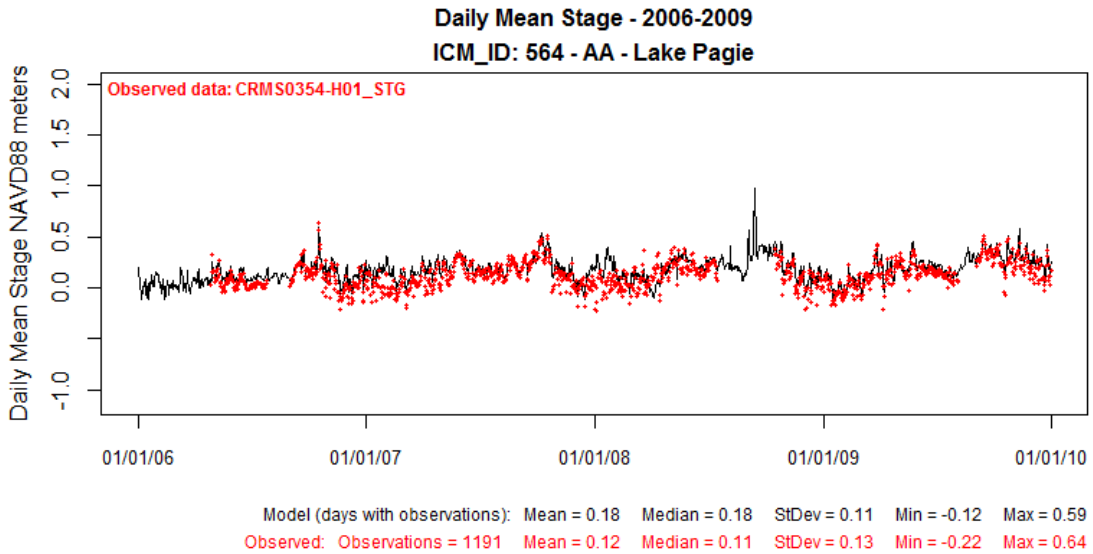


**Figure 266: Modeled Stage at ICM Compartment 564 (solid black line) Compared to Observed Data at CRMS0354-H01 for Validation Period 2006-2009.**

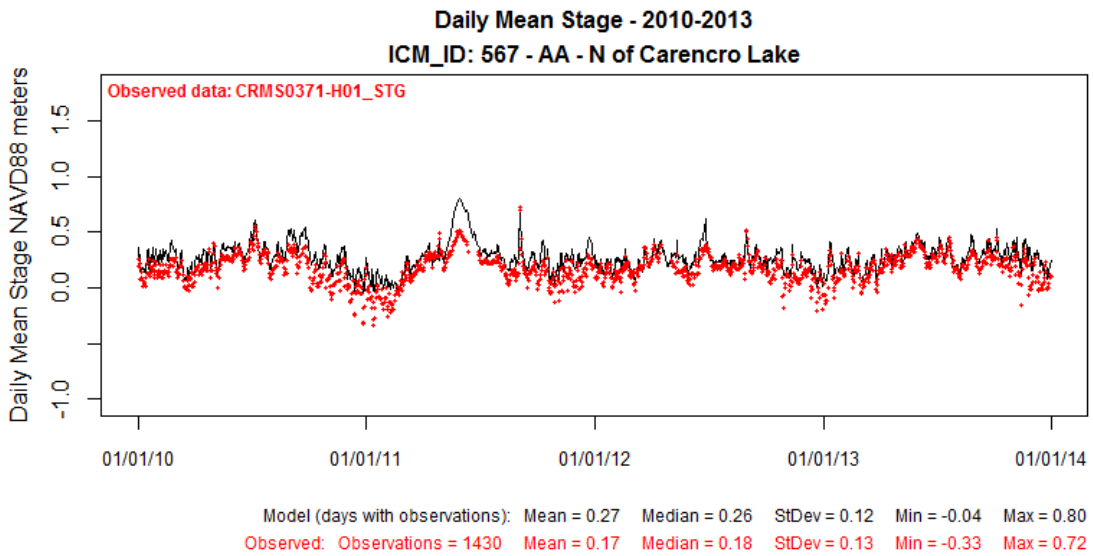


**Figure 267: Modeled Stage at ICM Compartment 567 (solid black line) Compared to Observed Data at CRMS0371-H01 for Calibration Period 2010-2013.**

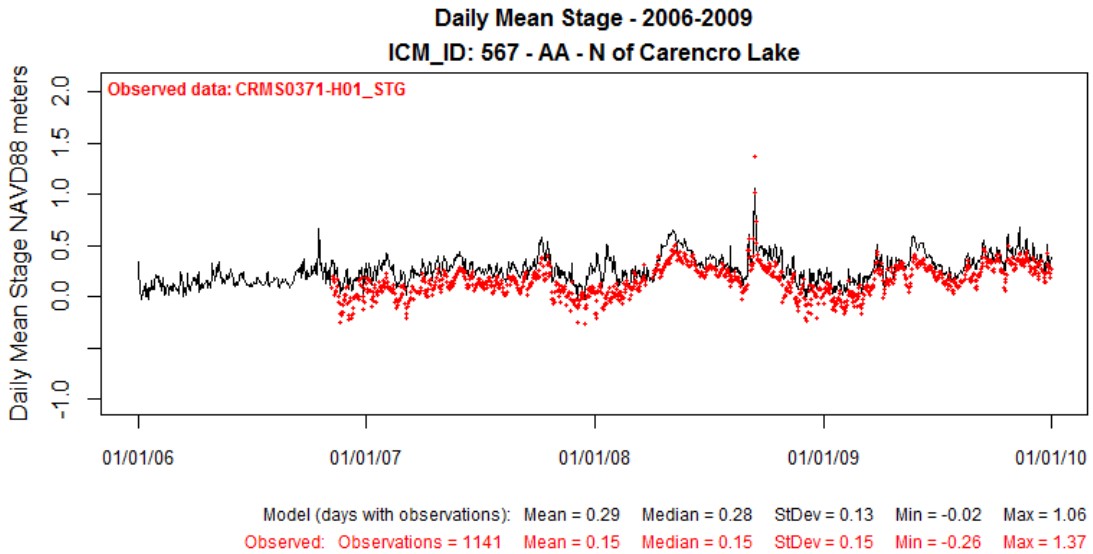


**Figure 268: Modeled Stage at ICM Compartment 567 (solid black line) Compared to Observed Data at CRMS0371-H01 for Validation Period 2006-2009.**

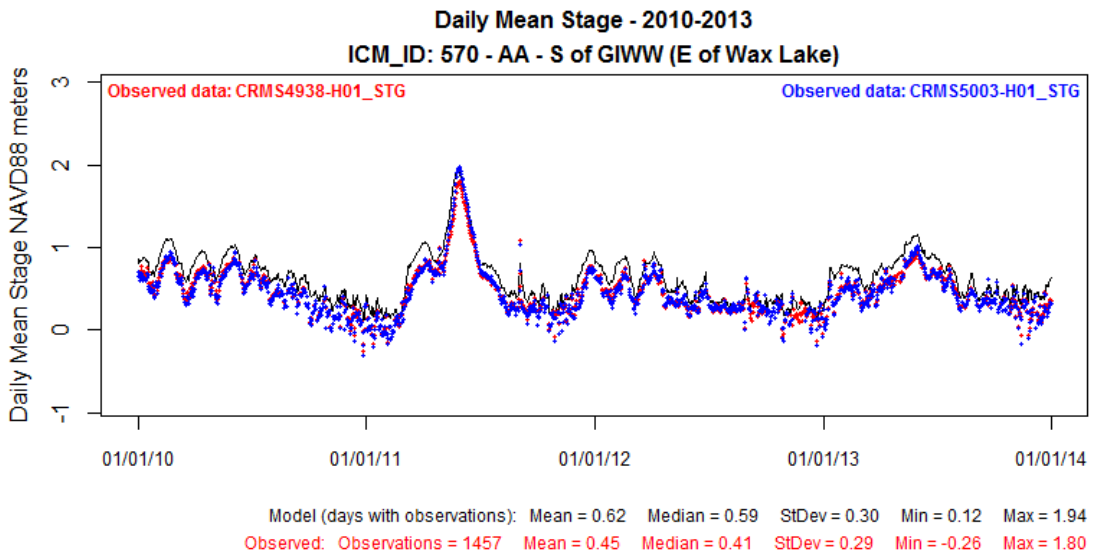


**Figure 269: Modeled Stage at ICM Compartment 570 (solid black line) Compared to Observed Data at CRMS4938-H01 for Calibration Period 2010-2013.**

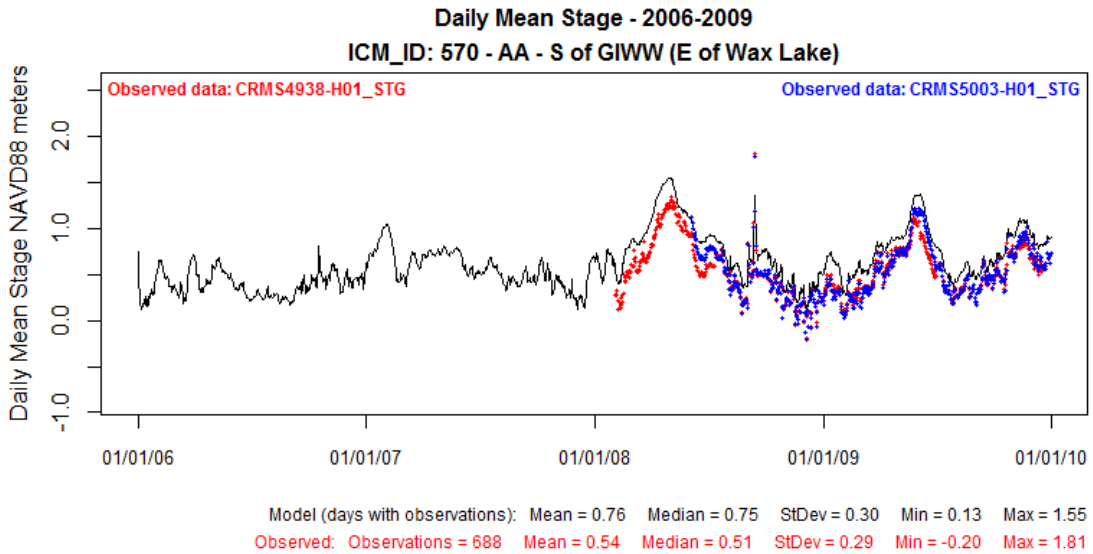


**Figure 270: Modeled Stage at ICM Compartment 570 (solid black line) Compared to Observed Data at CRMS4938-H01 for Validation Period 2006-2009.**

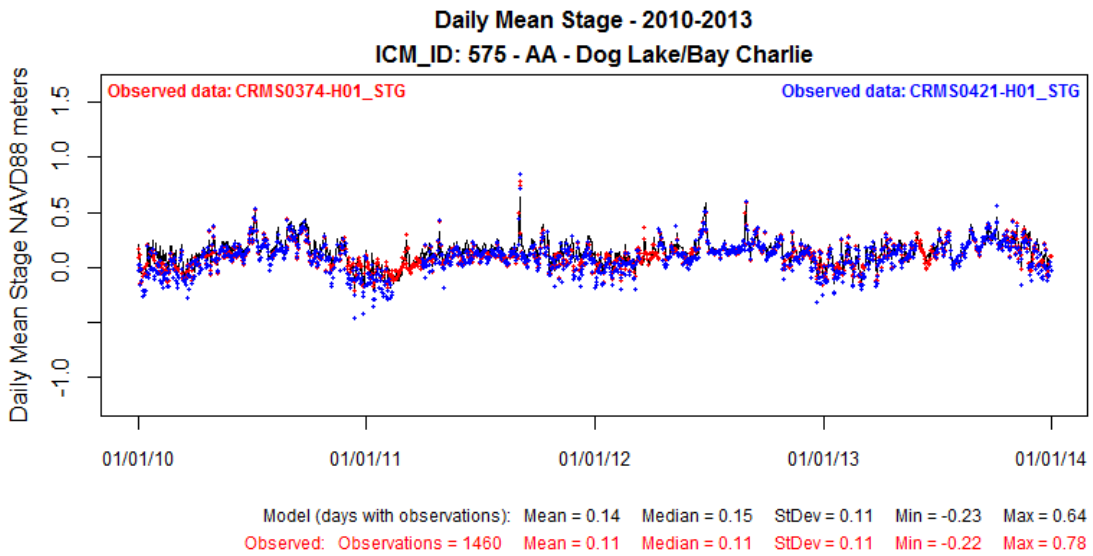


**Figure 271: Modeled Stage at ICM Compartment 575 (solid black line) Compared to Observed Data at CRMS0374-H01 for Calibration Period 2010-2013.**

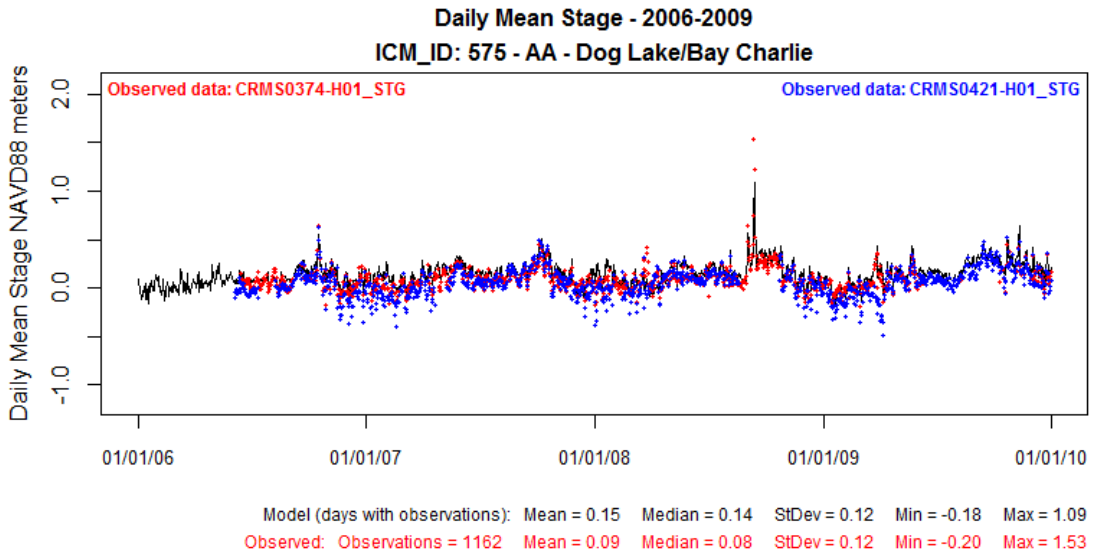


**Figure 272: Modeled Stage at ICM Compartment 575 (solid black line) Compared to Observed Data at CRMS0374-H01 for Validation Period 2006-2009.**

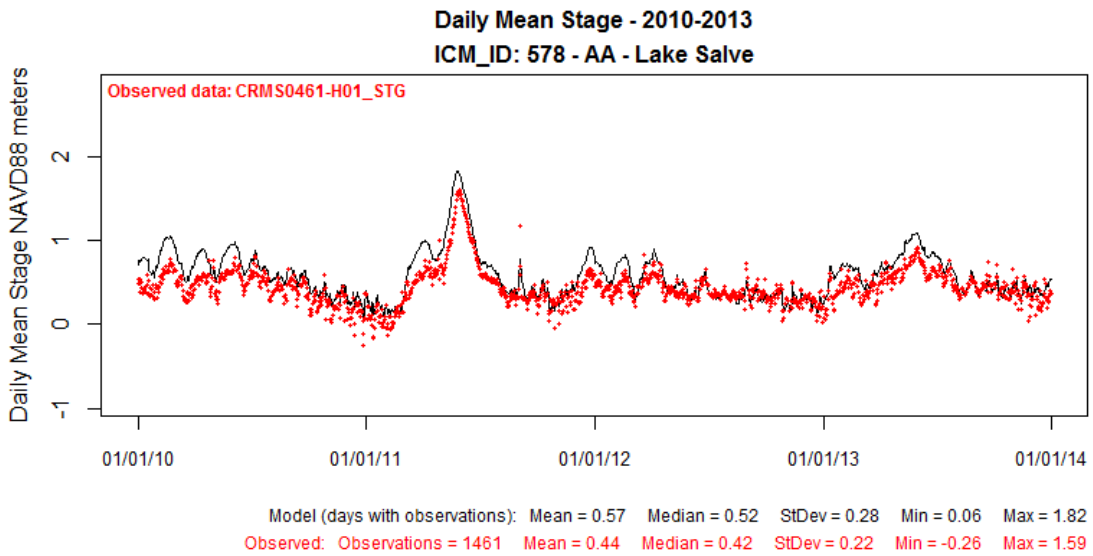


**Figure 273: Modeled Stage at ICM Compartment 578 (solid black line) Compared to Observed Data at CRMS0461-H01 for Calibration Period 2010-2013.**

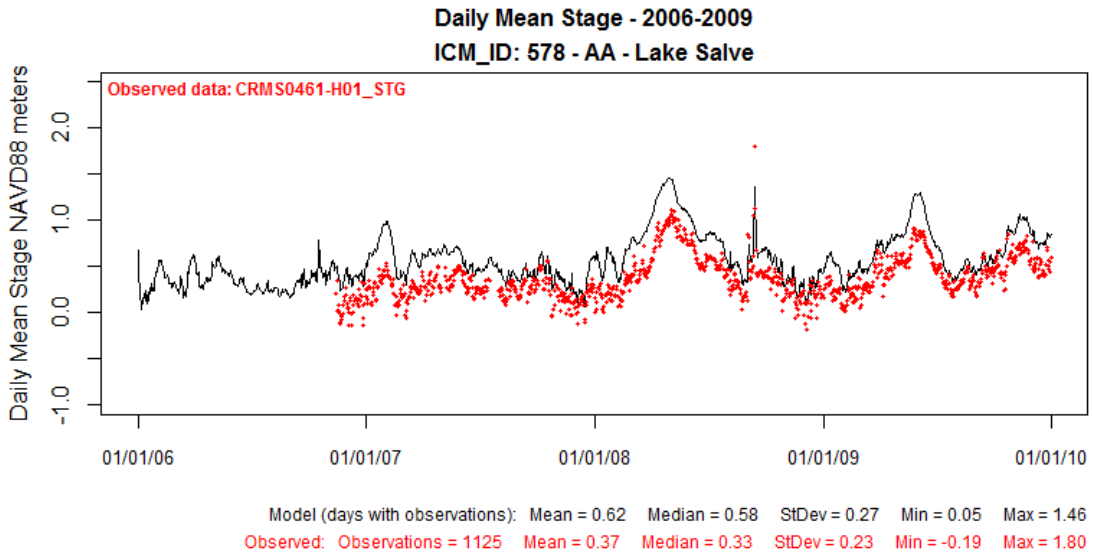


**Figure 274: Modeled Stage at ICM Compartment 578 (solid black line) Compared to Observed Data at CRMS0461-H01 for Validation Period 2006-2009.**

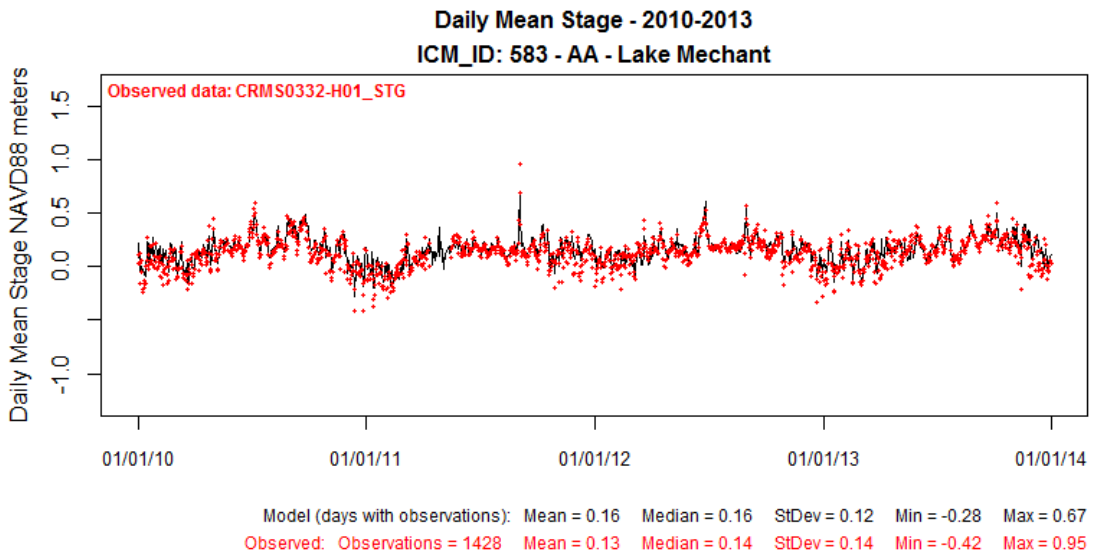


**Figure 275: Modeled Stage at ICM Compartment 583 (solid black line) Compared to Observed Data at CRMS0332-H01for Calibration Period 2010-2013.**

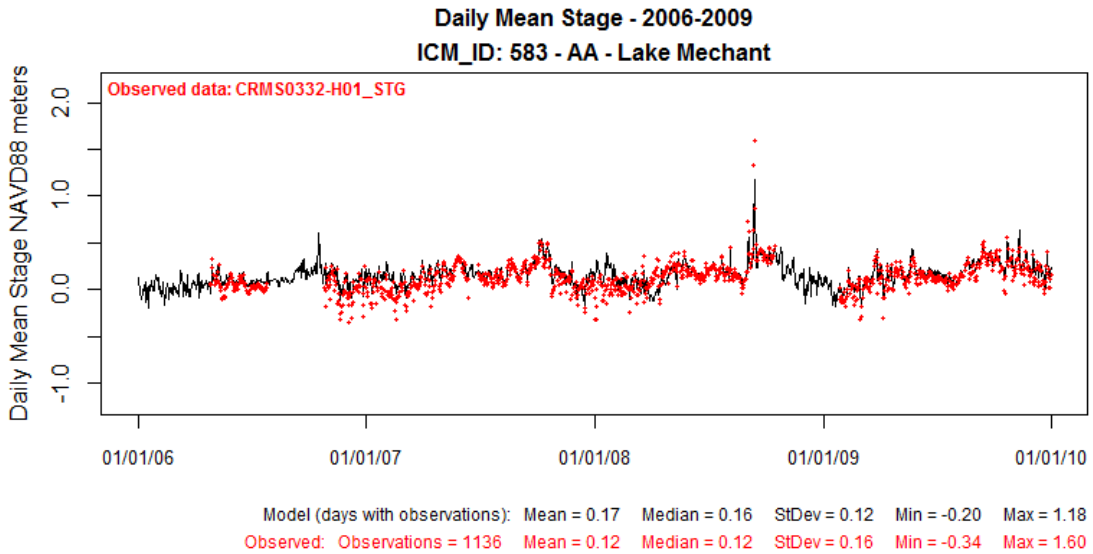


**Figure 276: Modeled Stage at ICM Compartment 583 (solid black line) Compared to Observed Data at CRMS0332-H01for Validation Period 2006-2009.**

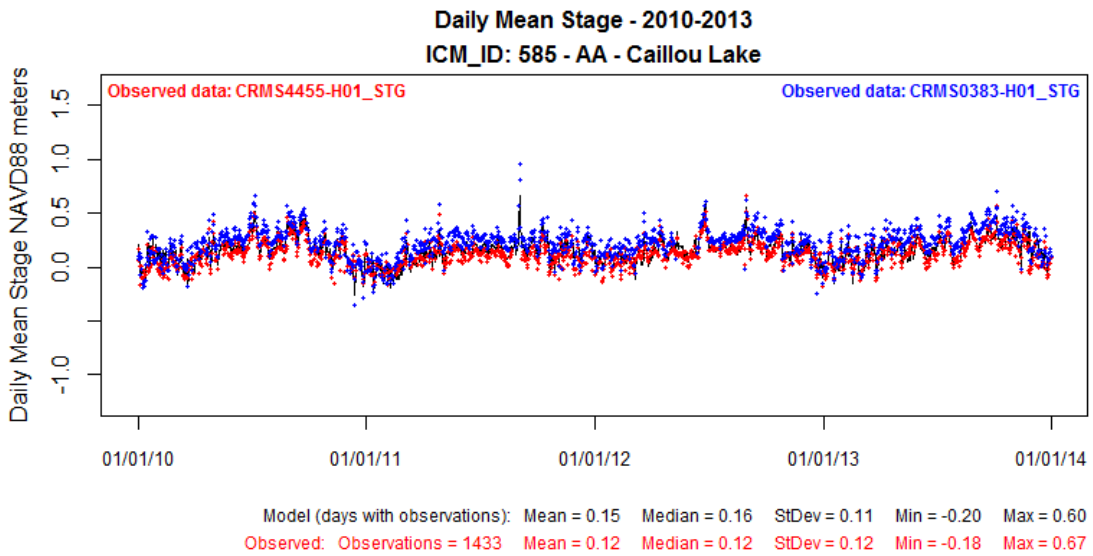


**Figure 277: Modeled Stage at ICM Compartment 585 (solid black line) Compared to Observed Data at CRMS4455-H01 for Calibration Period 2010-2013.**

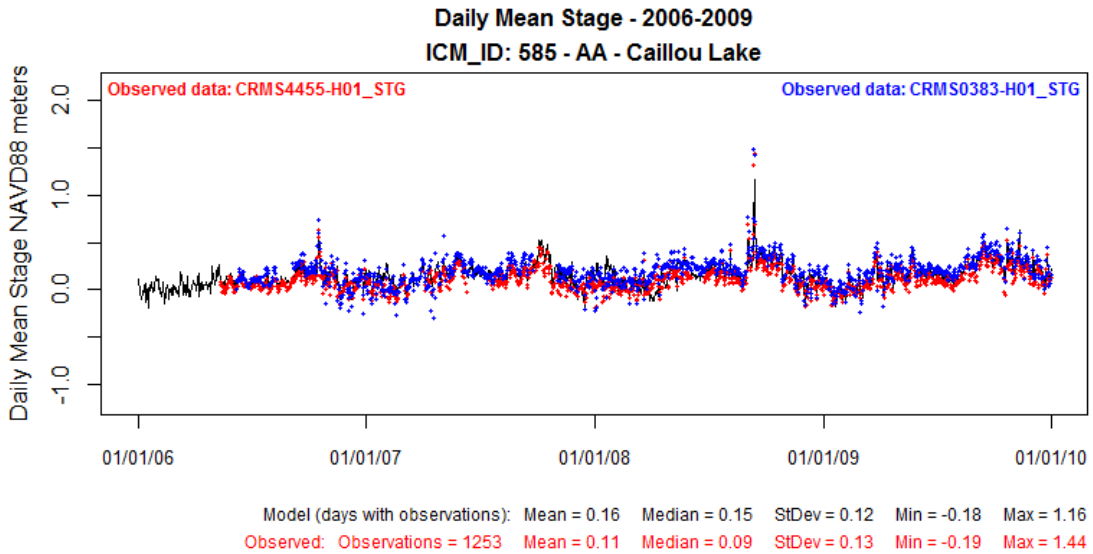


**Figure 278: Modeled Stage at ICM Compartment 585 (solid black line) Compared to Observed Data at CRMS4455-H01 for Validation Period 2006-2009.**

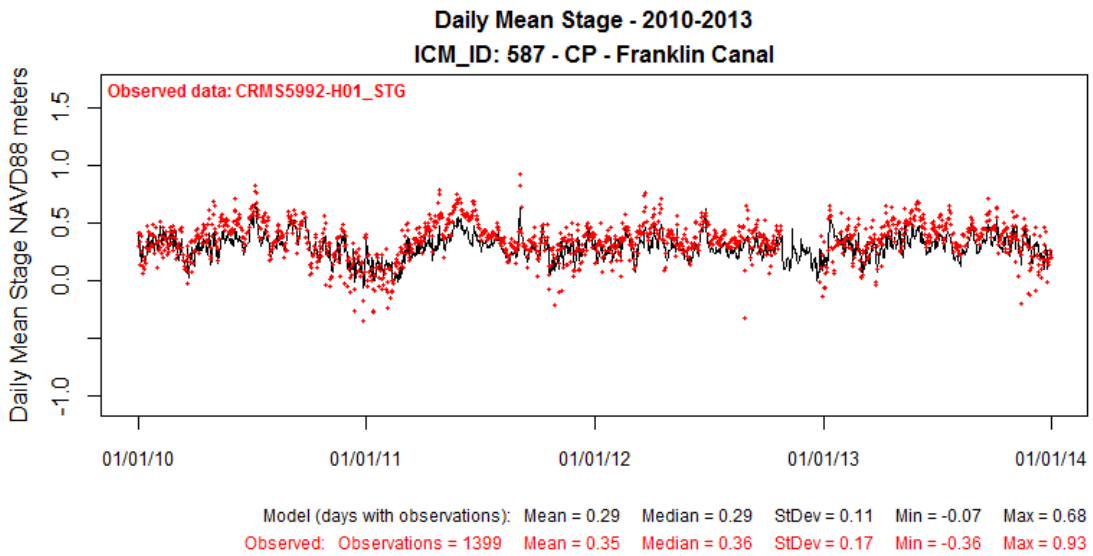


**Figure 279: Modeled Stage at ICM Compartment 587 (solid black line) Compared to Observed Data at CRMS5992-H01 for Calibration Period 2010-2013.**

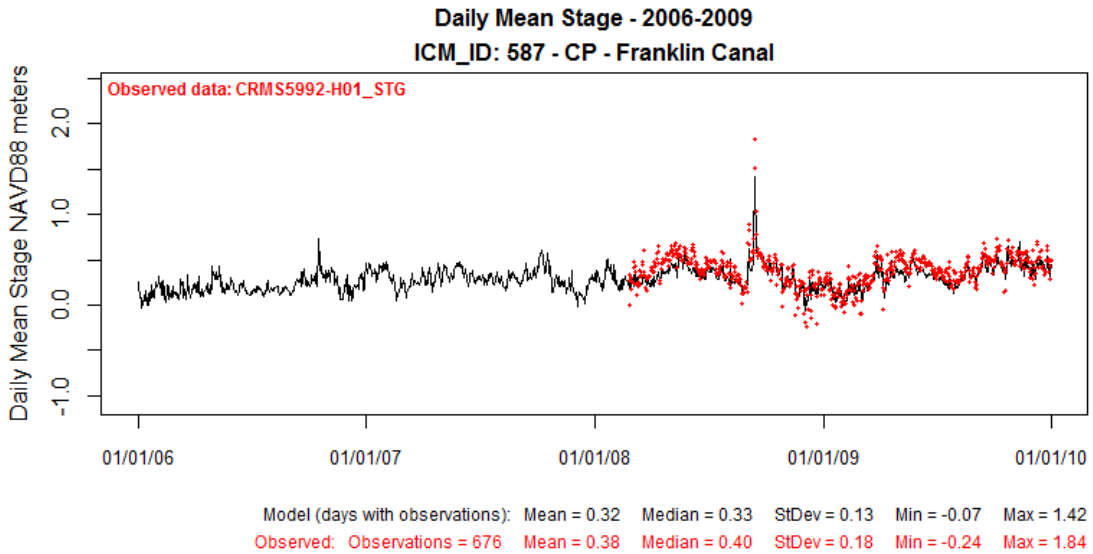


**Figure 280: Modeled Stage at ICM Compartment 587 (solid black line) Compared to Observed Data at CRMS5992-H01 for Validation Period 2006-2009.**

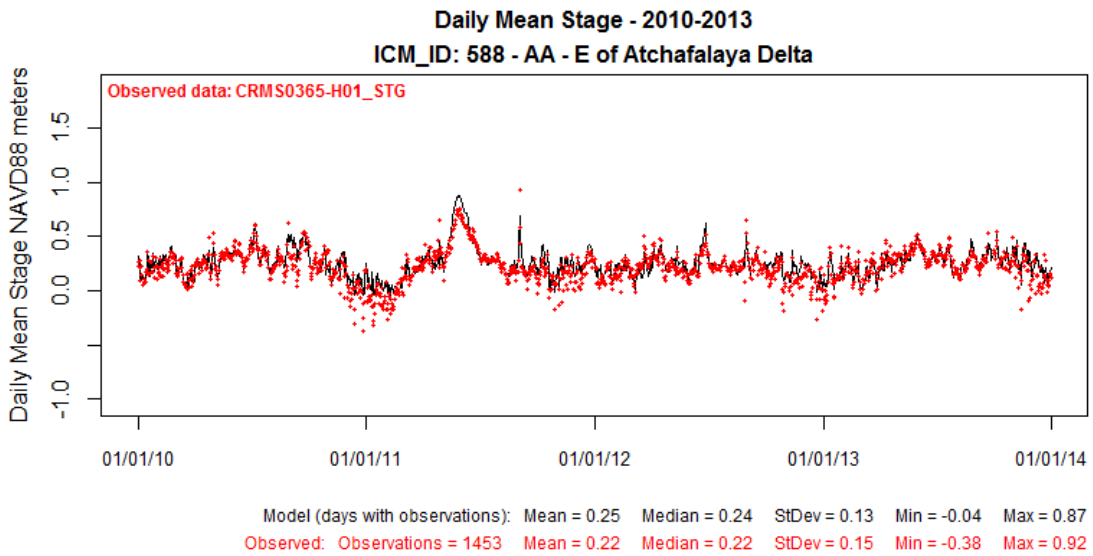


**Figure 281: Modeled Stage at ICM Compartment 588 (solid black line) Compared to Observed Data at CRMS0365-H01 for Calibration Period 2010-2013.**

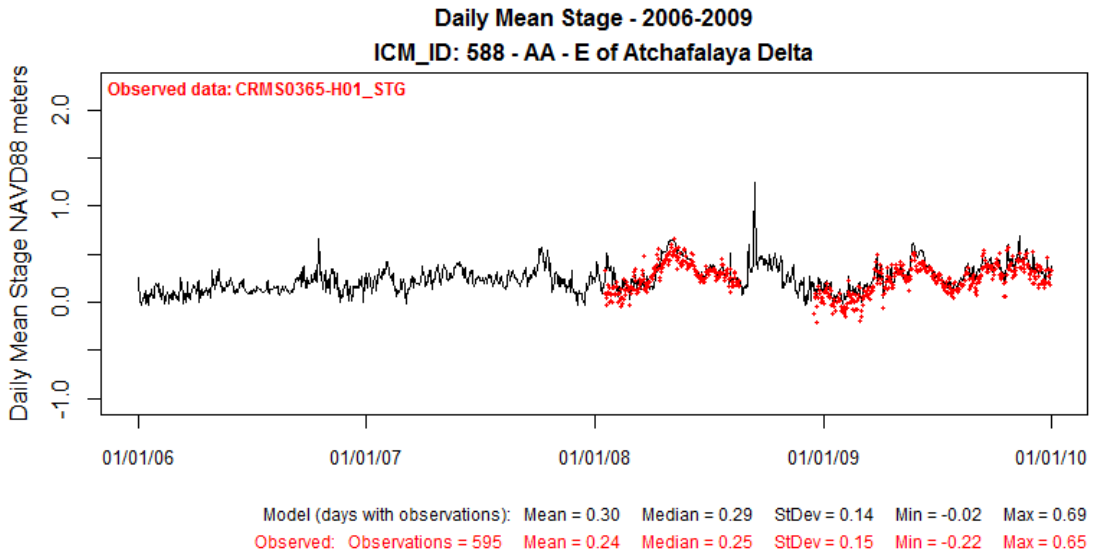


**Figure 282: Modeled Stage at ICM Compartment 588 (solid black line) Compared to Observed Data at CRMS0365-H01 for Validation Period 2006-2009.**

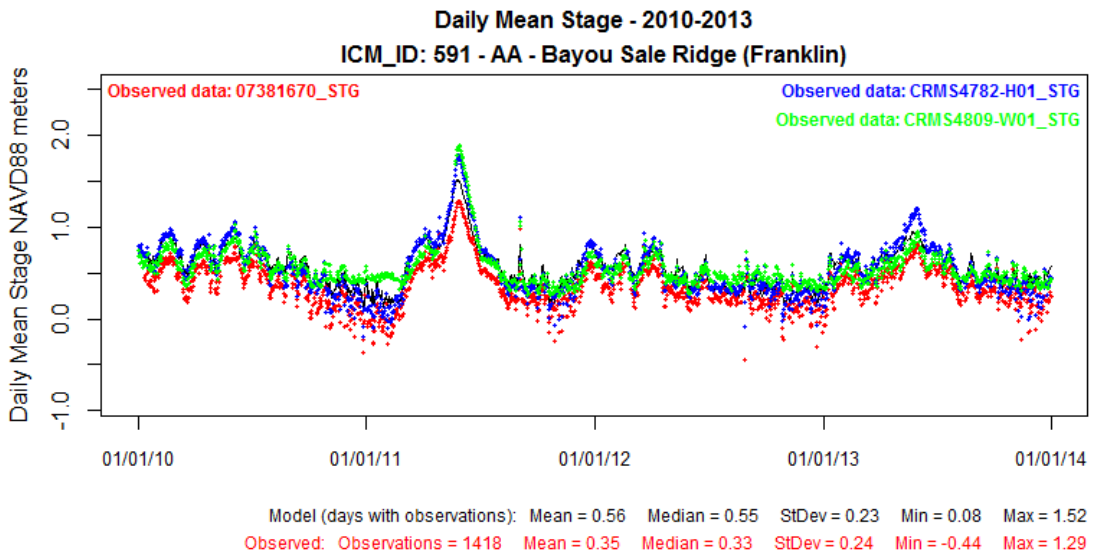


**Figure 283: Modeled Stage at ICM Compartment 591 (solid black line) Compared to Observed Data at USGS07381670 for Calibration Period 2010-2013.**

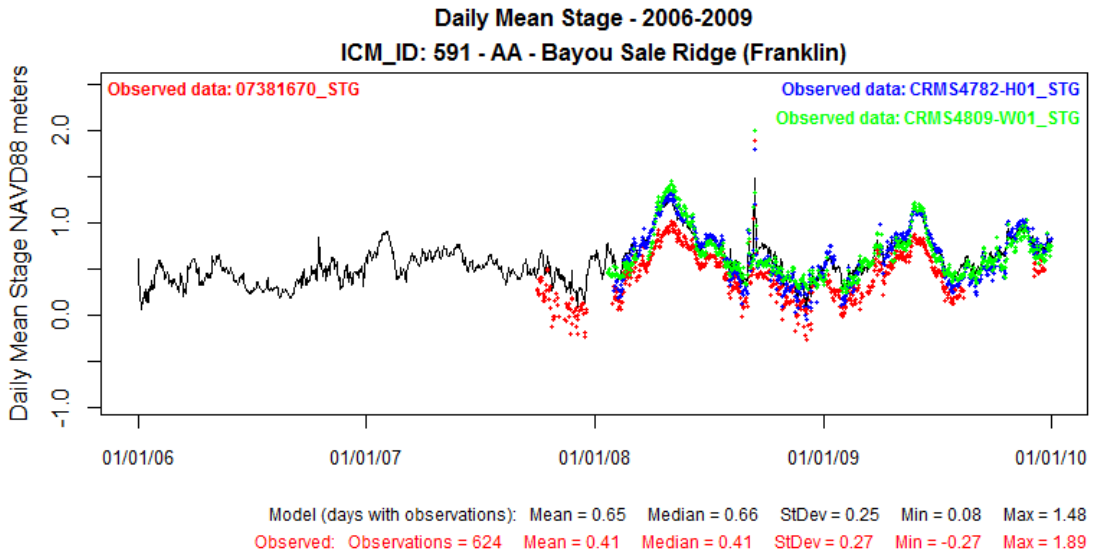


**Figure 284: Modeled Stage at ICM Compartment 591 (solid black line) Compared to Observed Data at USGS07381670 for Validation Period 2006-2009.**

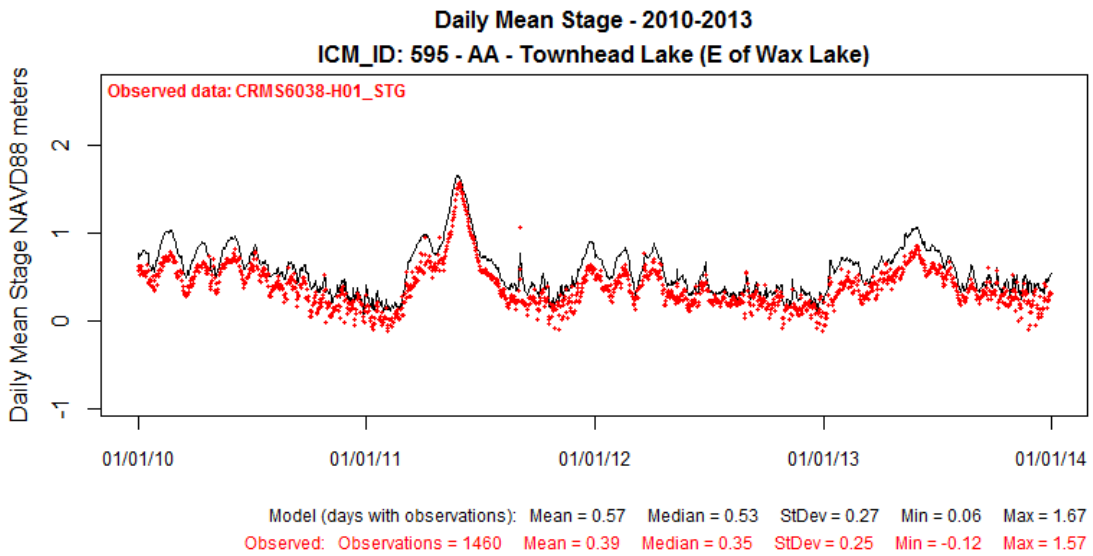


**Figure 285: Modeled Stage at ICM Compartment 595 (solid black line) Compared to Observed Data at CRMS6038-H01 for Calibration Period 2010-2013.**

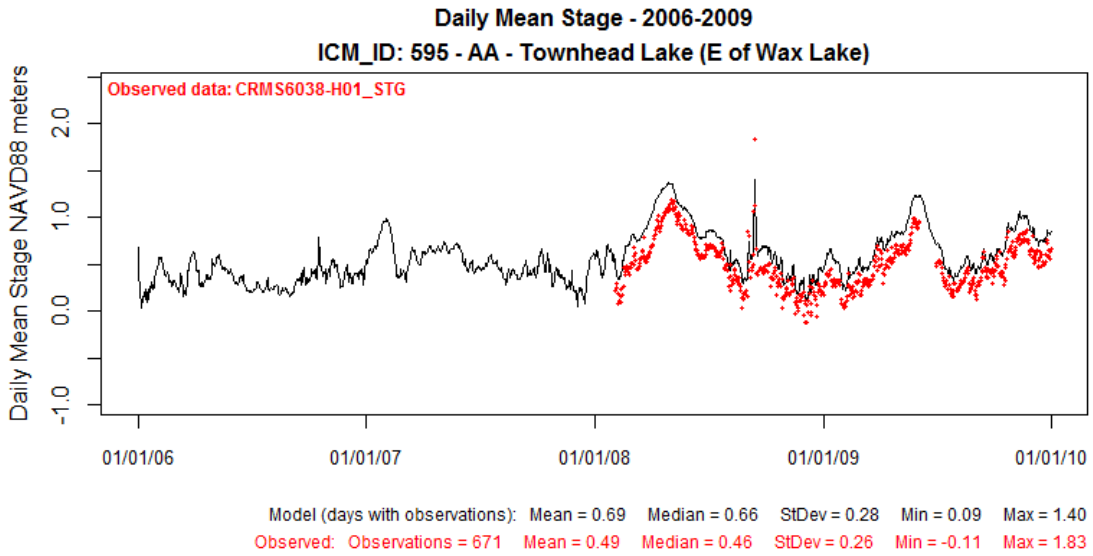


**Figure 286: Modeled Stage at ICM Compartment 595 (solid black line) Compared to Observed Data at CRMS6038-H01 for Validation Period 2006-2009.**

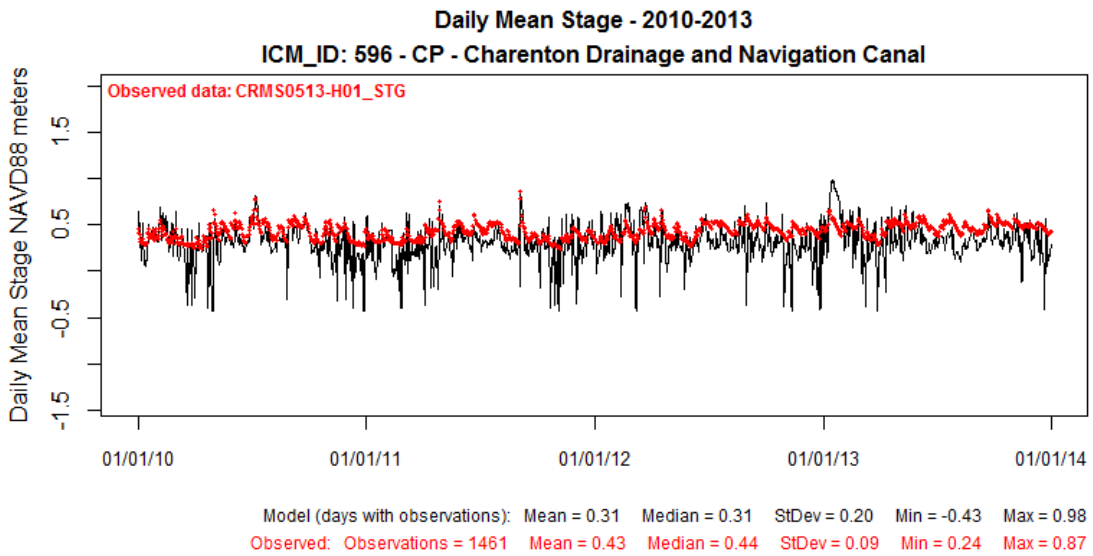


**Figure 287: Modeled Stage at ICM Compartment 596 (solid black line) Compared to Observed Data at CRMS0513-H01 for Calibration Period 2010-2013.**

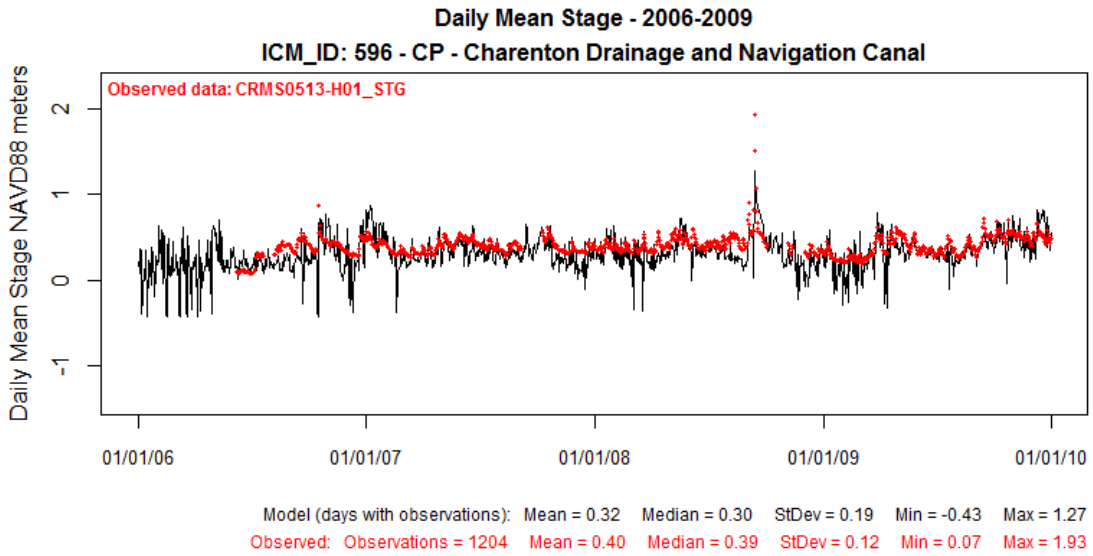


**Figure 288: Modeled Stage at ICM Compartment 596 (solid black line) Compared to Observed Data at CRMS0513-H01 for Validation Period 2006-2009.**

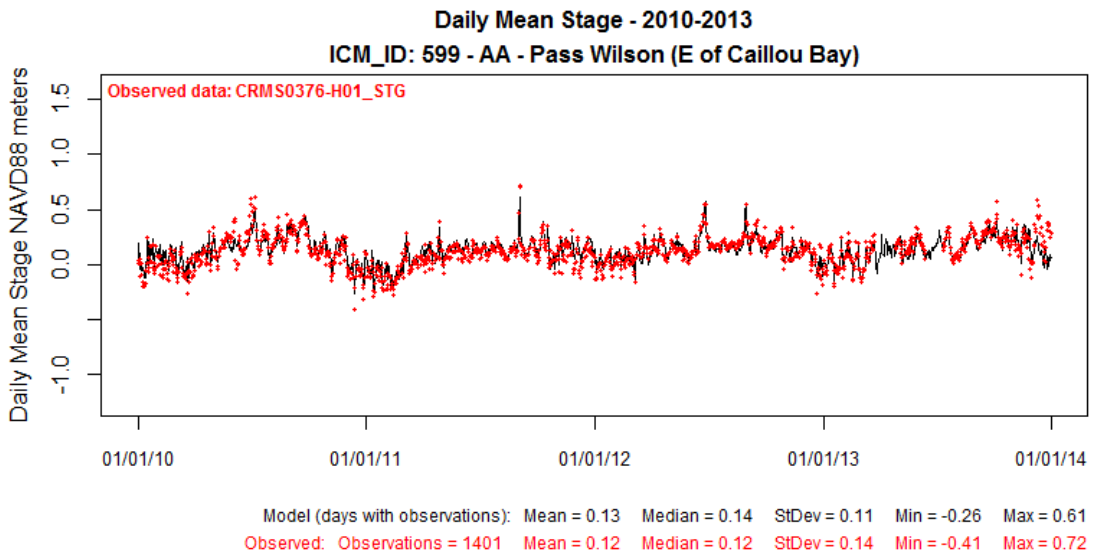


**Figure 289: Modeled Stage at ICM Compartment 599 (solid black line) Compared to Observed Data at CRMS0376-H01 for Calibration Period 2010-2013.**

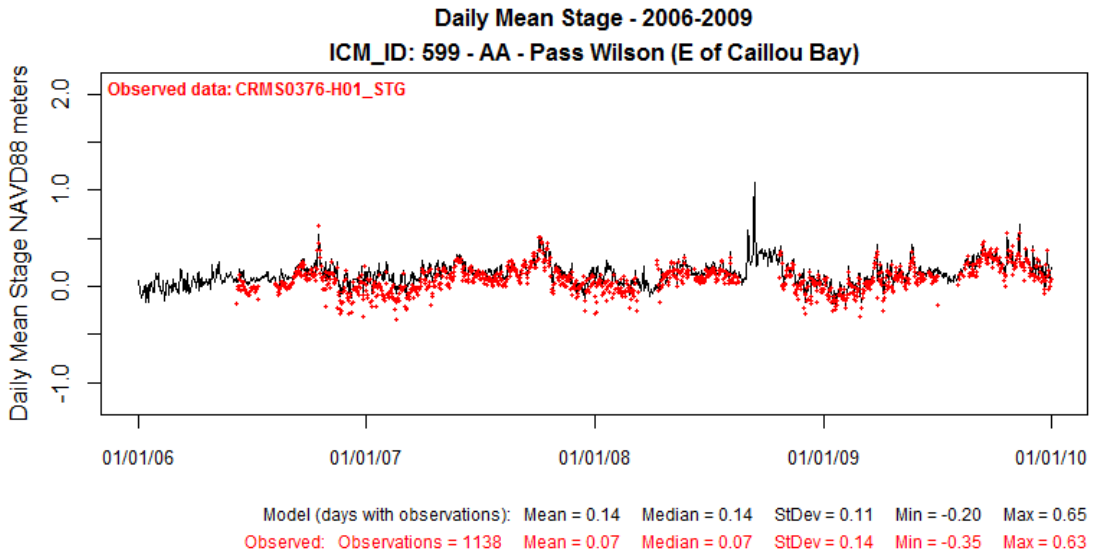


**Figure 290: Modeled Stage at ICM Compartment 599 (solid black line) Compared to Observed Data at CRMS0376-H01 for Validation Period 2006-2009.**

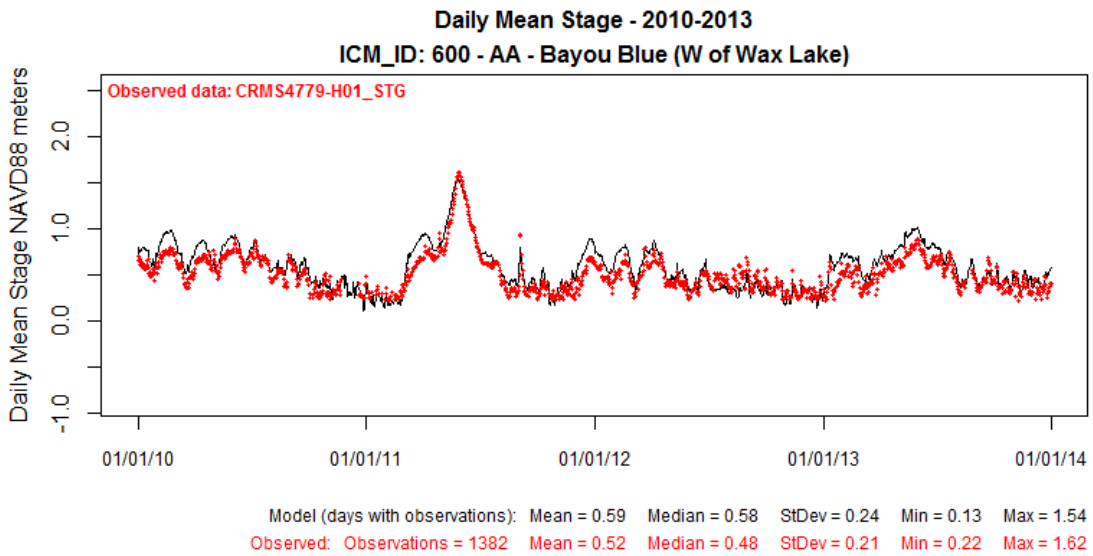


**Figure 291: Modeled Stage at ICM Compartment 600 (solid black line) Compared to Observed Data at CRMS4779-H01 for Calibration Period 2010-2013.**

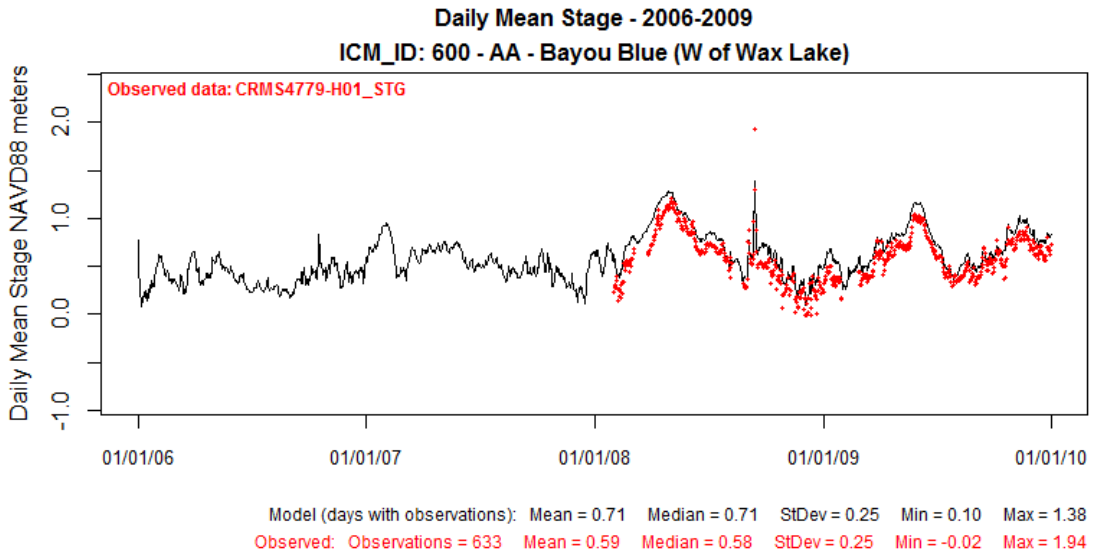


**Figure 292: Modeled Stage at ICM Compartment 600 (solid black line) Compared to Observed Data at CRMS4779-H01 for Validation Period 2006-2009.**

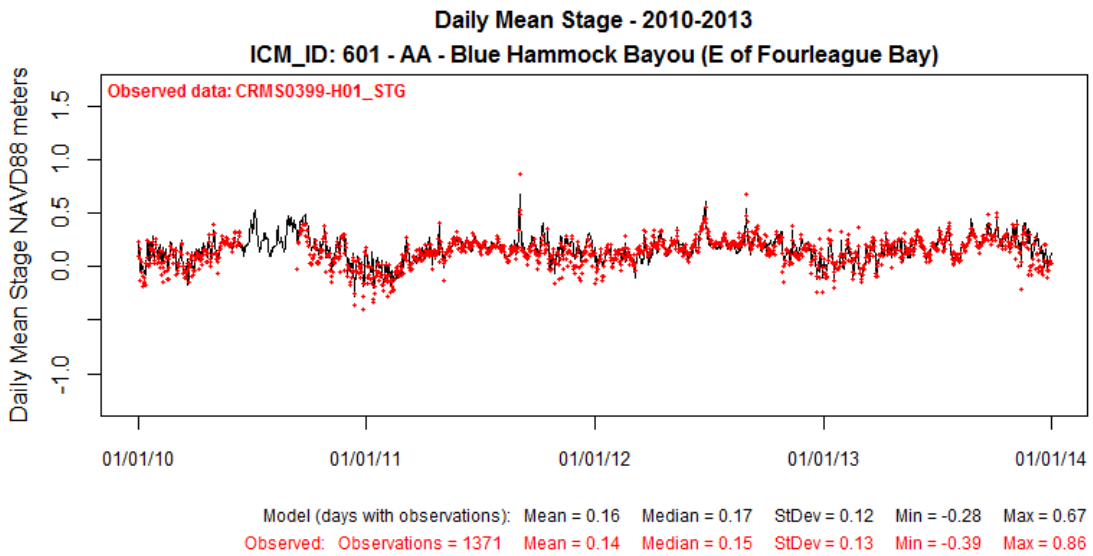


**Figure 293: Modeled Stage at ICM Compartment 601 (solid black line) Compared to Observed Data at CRMS0399-H01 for Calibration Period 2010-2013.**

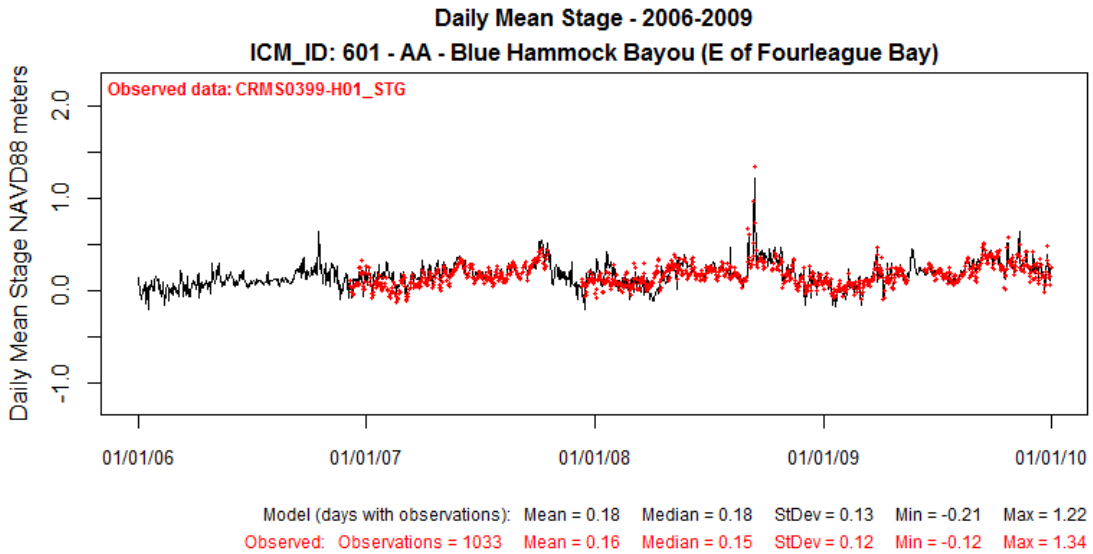


**Figure 294: Modeled Stage at ICM Compartment 601 (solid black line) Compared to Observed Data at CRMS0399-H01 for Validation Period 2006-2009.**

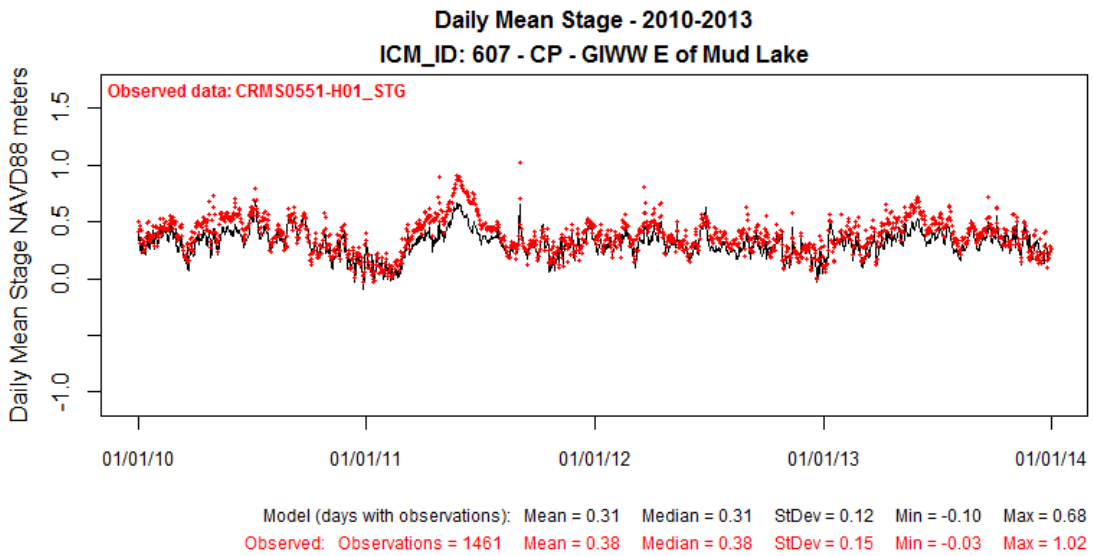


**Figure 295: Modeled Stage at ICM Compartment 607 (solid black line) Compared to Observed Data at CRMS0551-H01 for Calibration Period 2010-2013.**

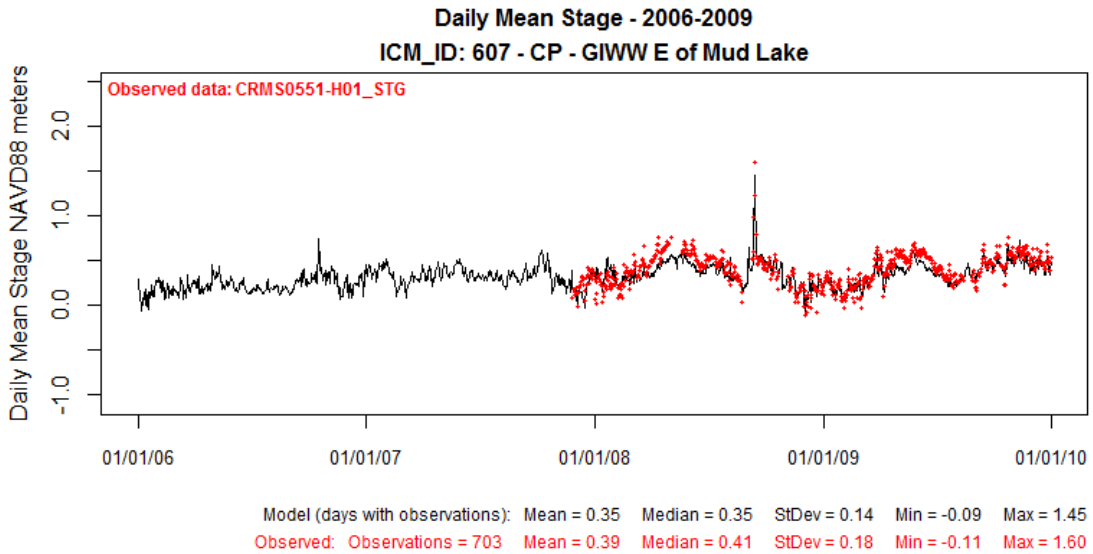


**Figure 296: Modeled Stage at ICM Compartment 607 (solid black line) Compared to Observed Data at CRMS0551-H01 for Validation Period 2006-2009.**

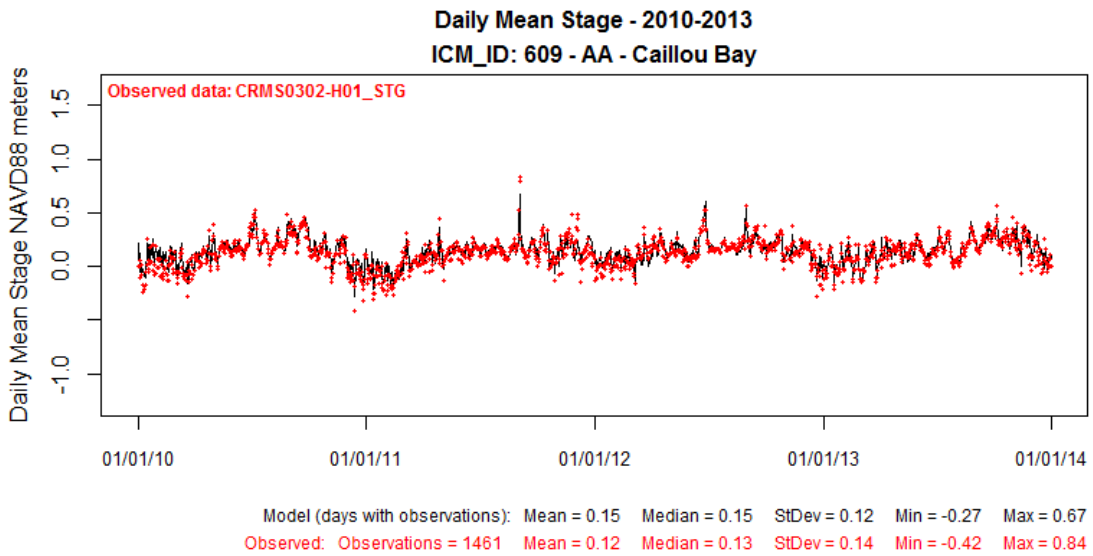


**Figure 297: Modeled Stage at ICM Compartment 609 (solid black line) Compared to Observed Data at CRMS0302-H01 for Calibration Period 2010-2013.**

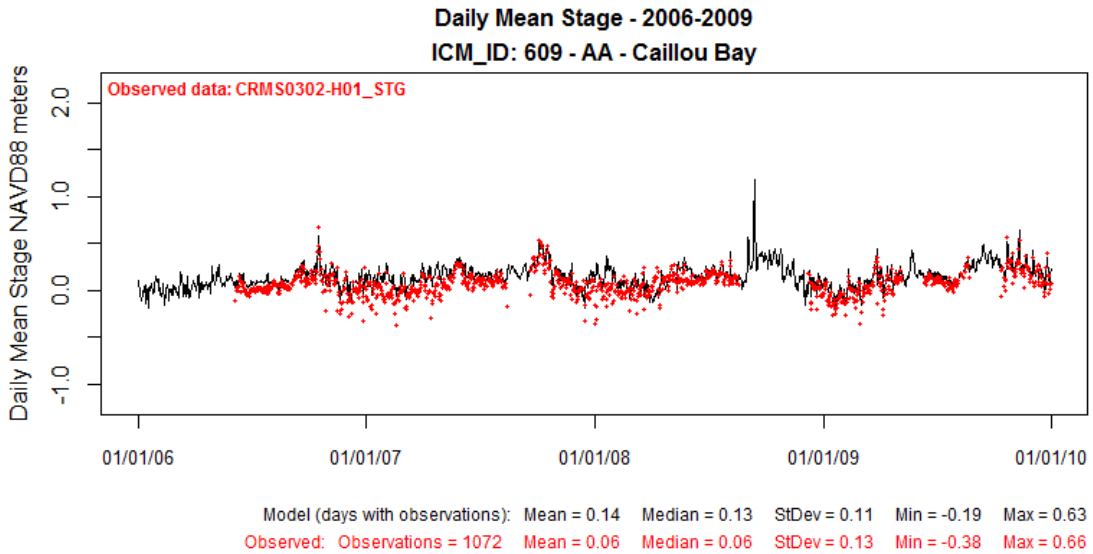


**Figure 298: Modeled Stage at ICM Compartment 609 (solid black line) Compared to Observed Data at CRMS0302-H01 for Validation Period 2006-2009.**

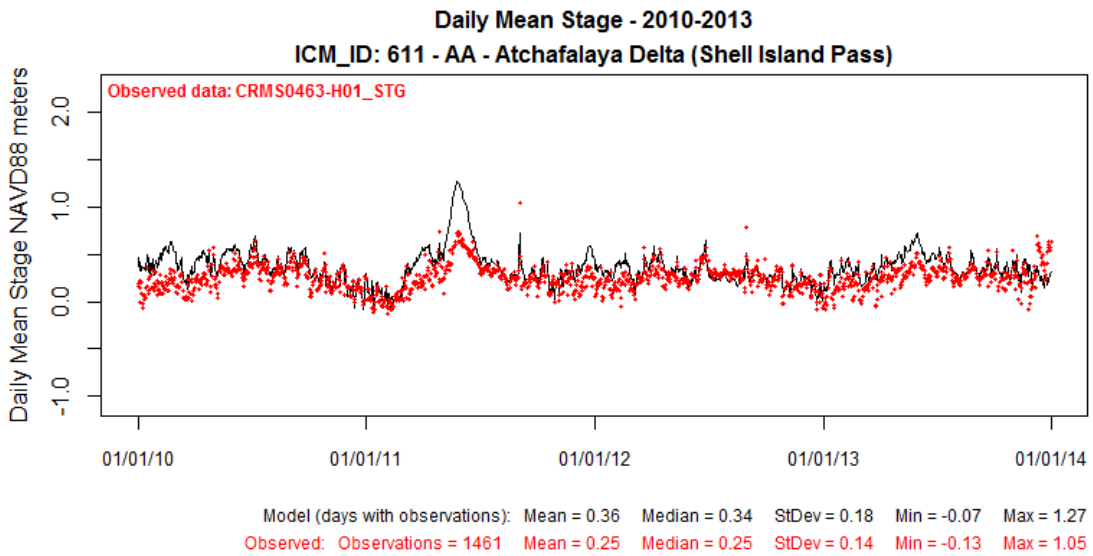


**Figure 299: Modeled Stage at ICM Compartment 611 (solid black line) Compared to Observed Data at CRMS0463-H01 for Calibration Period 2010-2013.**

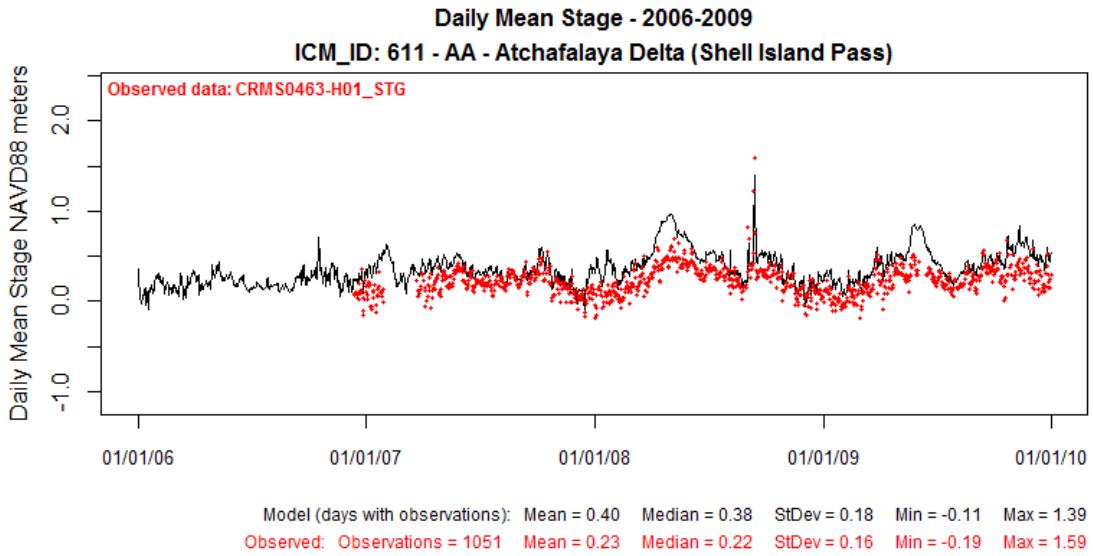


**Figure 300: Modeled Stage at ICM Compartment 611 (solid black line) Compared to Observed Data at CRMS0463-H01 for Validation Period 2006-2009.**

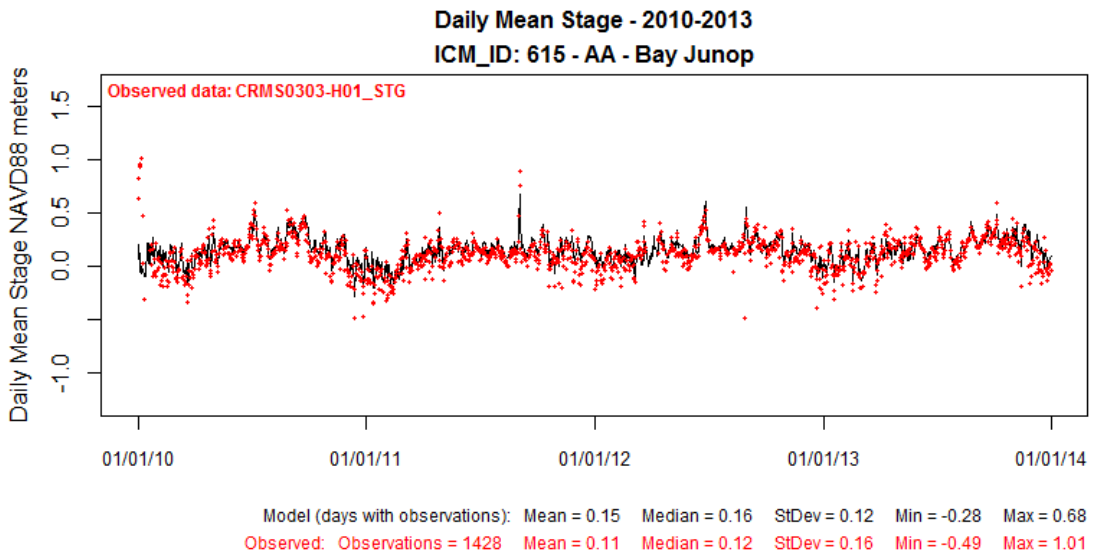


**Figure 301: Modeled Stage at ICM Compartment 615 (solid black line) Compared to Observed Data at CRMS0303-H01 for Calibration Period 2010-2013.**

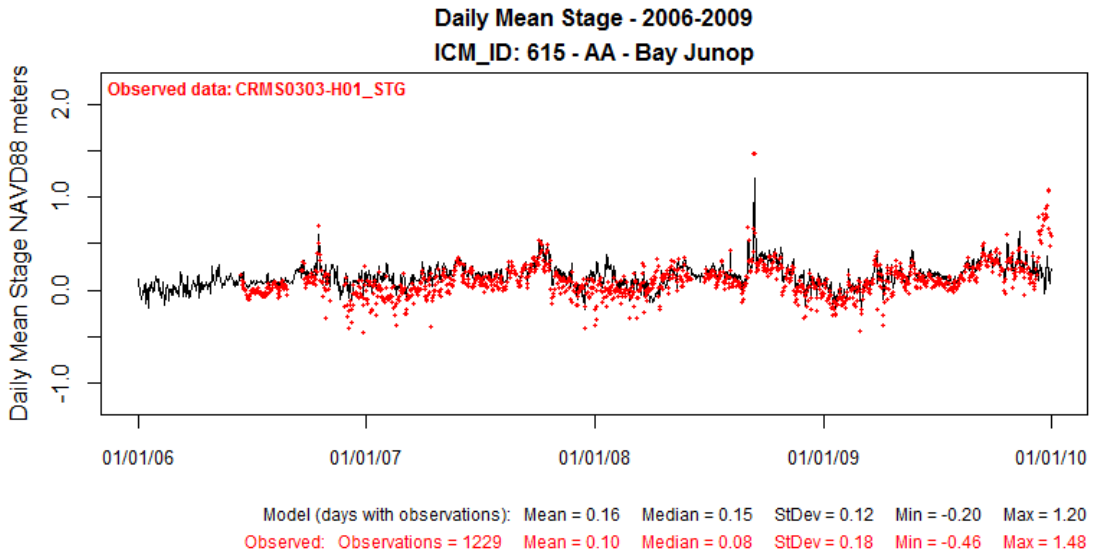


**Figure 302: Modeled Stage at ICM Compartment 615 (solid black line) Compared to Observed Data at CRMS0303-H01 for Validation Period 2006-2009.**

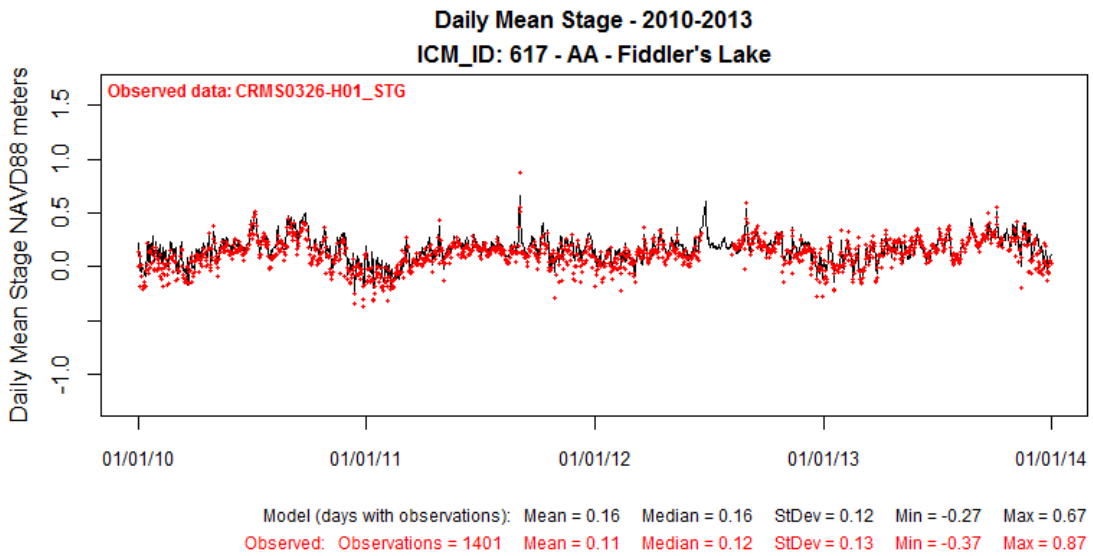


**Figure 303: Modeled Stage at ICM Compartment 617 (solid black line) Compared to Observed Data at CRMS0326-H01 for Calibration Period 2010-2013.**

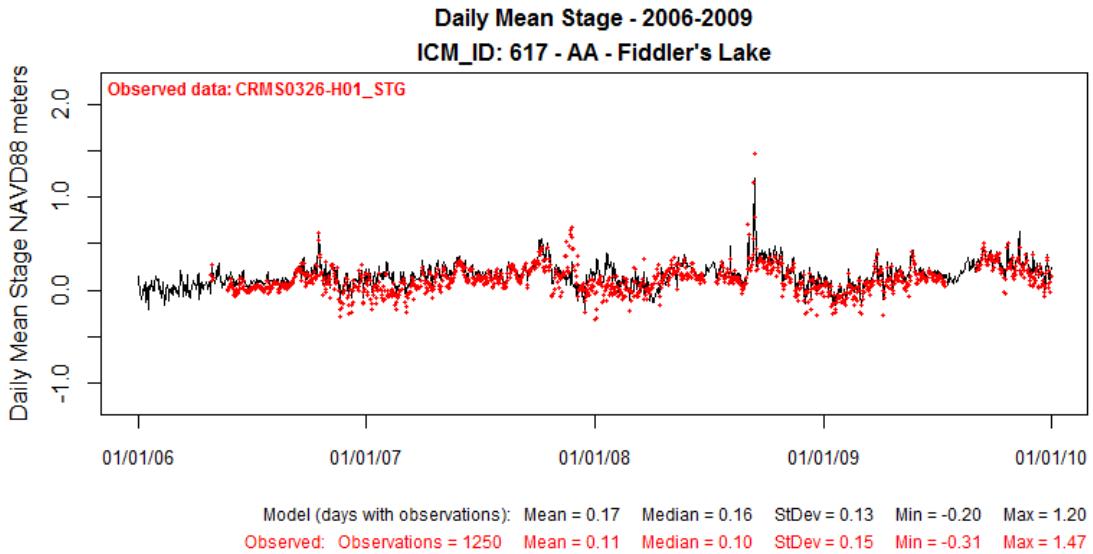


**Figure 304: Modeled Stage at ICM Compartment 617 (solid black line) Compared to Observed Data at CRMS0326-H01 for Validation Period 2006-2009.**

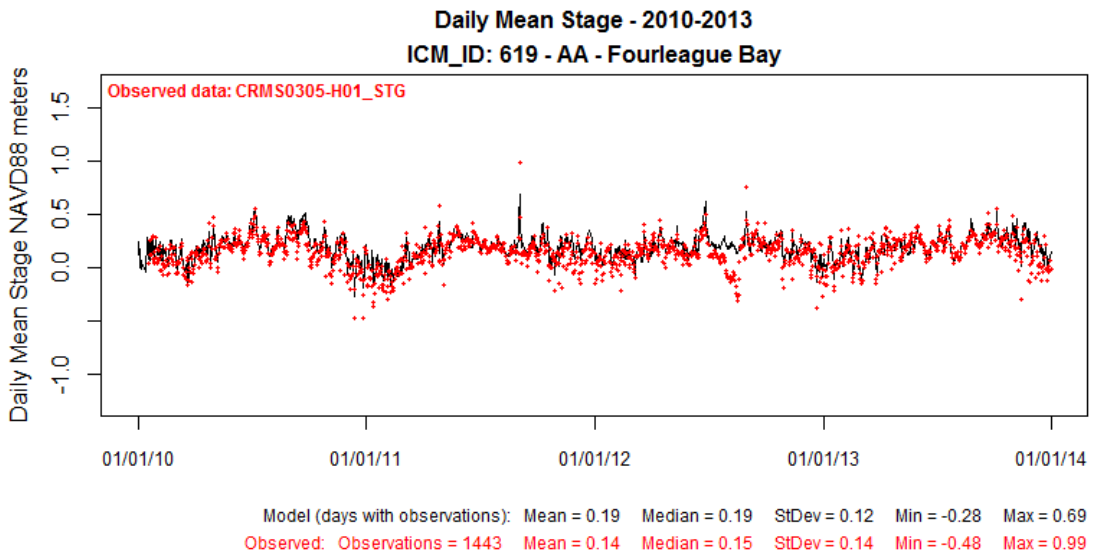


**Figure 305: Modeled Stage at ICM Compartment 619 (solid black line) Compared to Observed Data at CRMS0305-H01 for Calibration Period 2010-2013.**

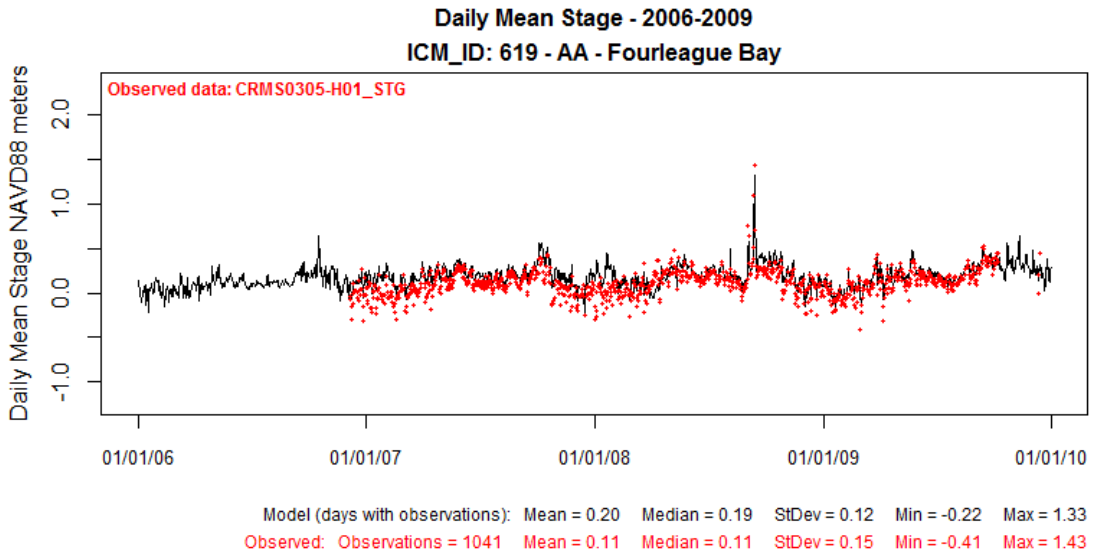


**Figure 306: Modeled Stage at ICM Compartment 619 (solid black line) Compared to Observed Data at CRMS0305-H01 for Validation Period 2006-2009.**

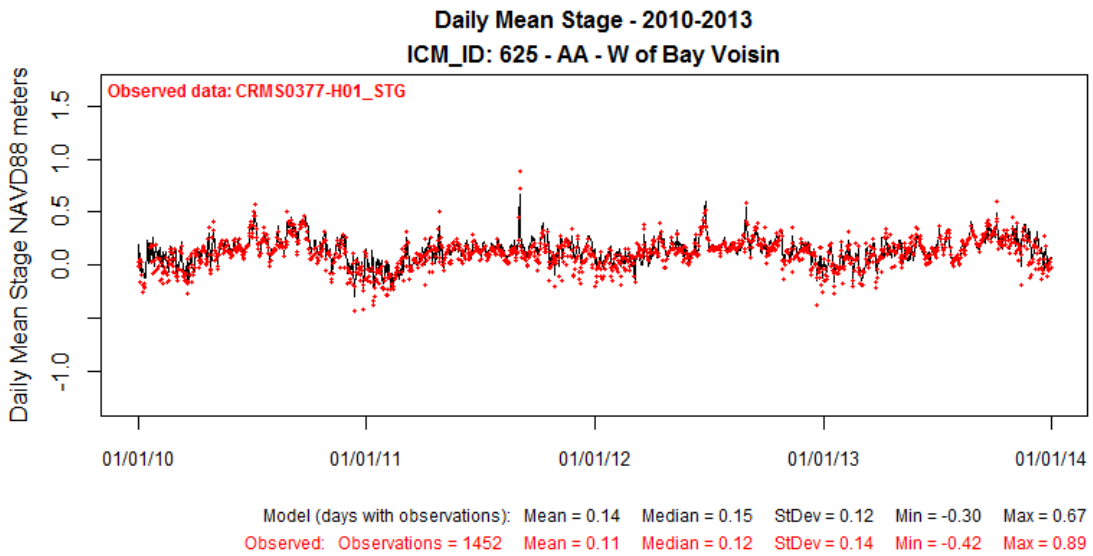


**Figure 307: Modeled Stage at ICM Compartment 625 (solid black line) Compared to Observed Data at CRMS0377-H01 for Calibration Period 2010-2013.**

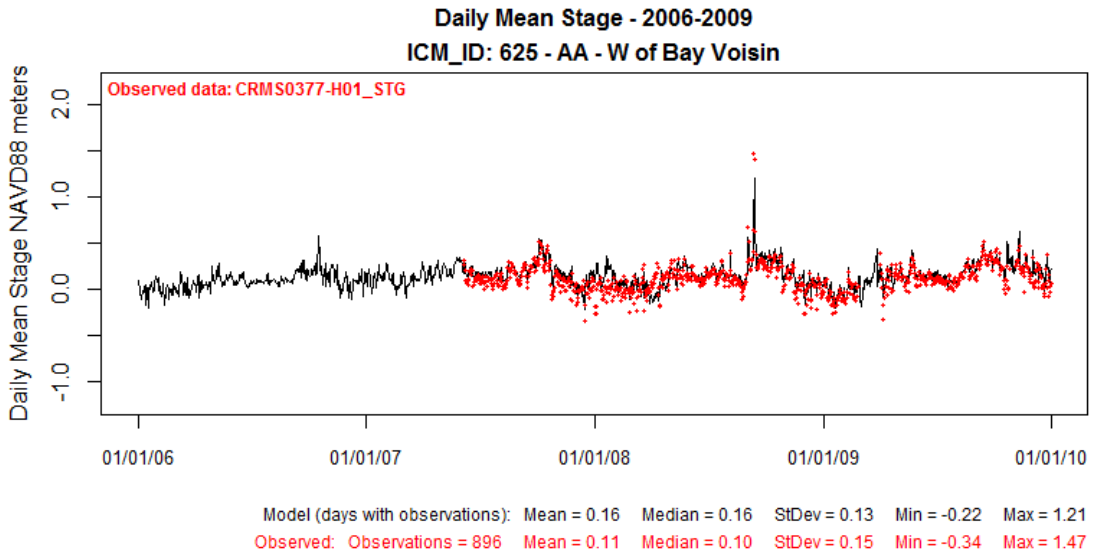


**Figure 308: Modeled Stage at ICM Compartment 625 (solid black line) Compared to Observed Data at CRMS0377-H01 for Validation Period 2006-2009.**

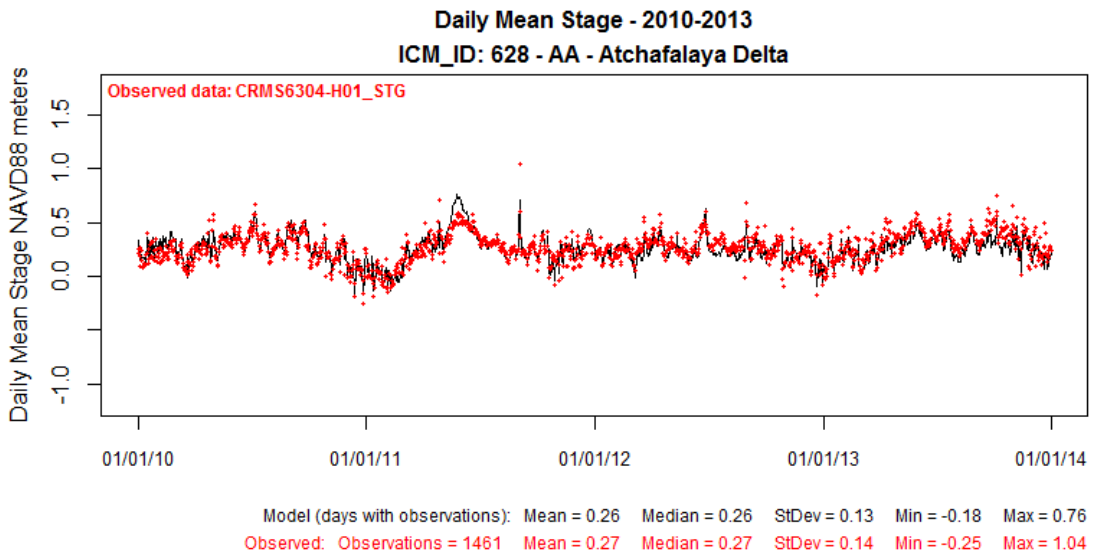


**Figure 309: Modeled Stage at ICM Compartment 628 (solid black line) Compared to Observed Data at CRMS6304-H01 for Calibration Period 2010-2013.**

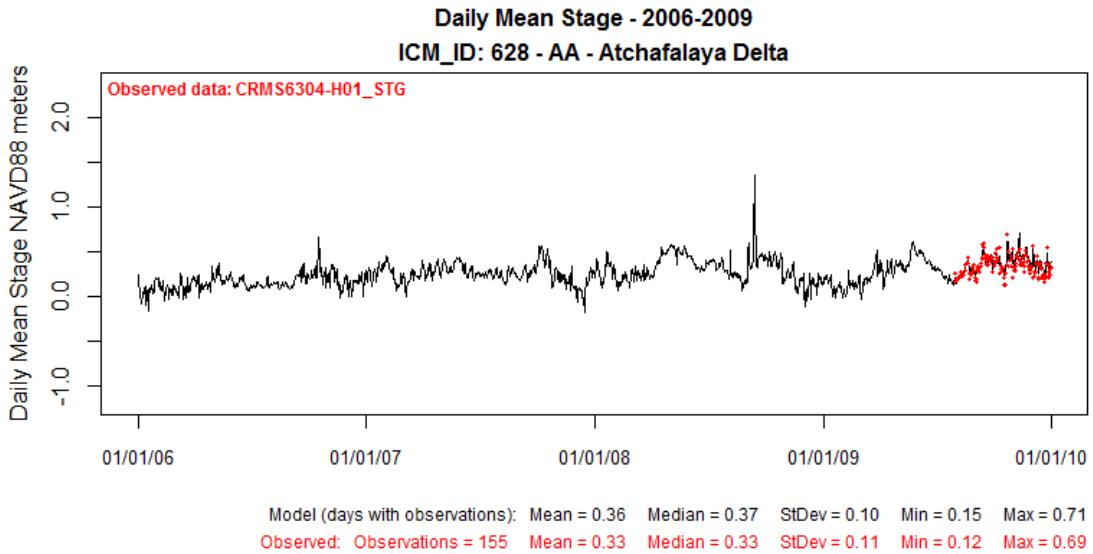


**Figure 310: Modeled Stage at ICM Compartment 628 (solid black line) Compared to Observed Data at CRMS6304-H01 for Validation Period 2006-2009.**

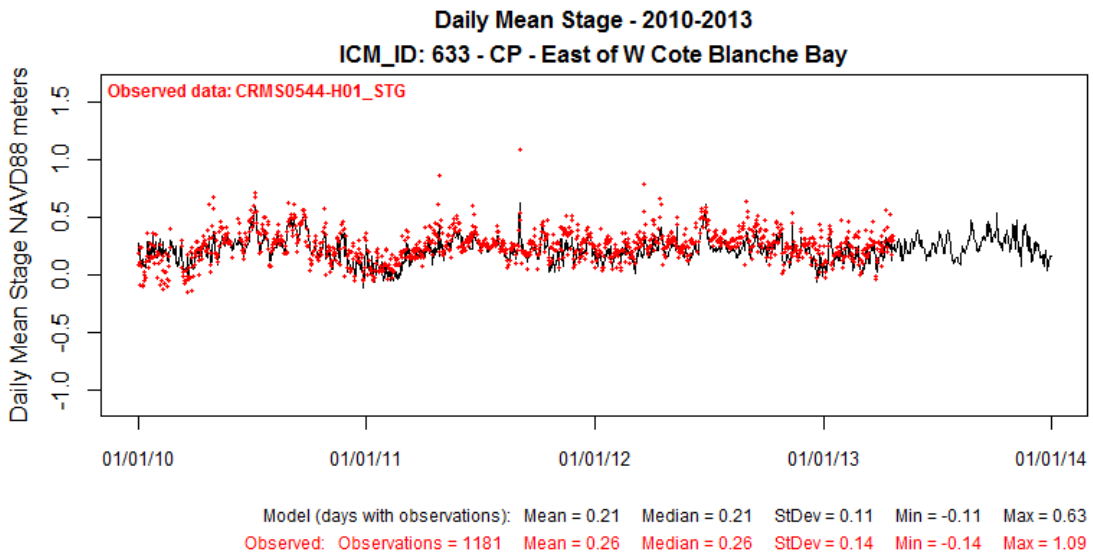


**Figure 311: Modeled Stage at ICM Compartment 633 (solid black line) Compared to Observed Data at CRMS0544-H01 for Calibration Period 2010-2013.**

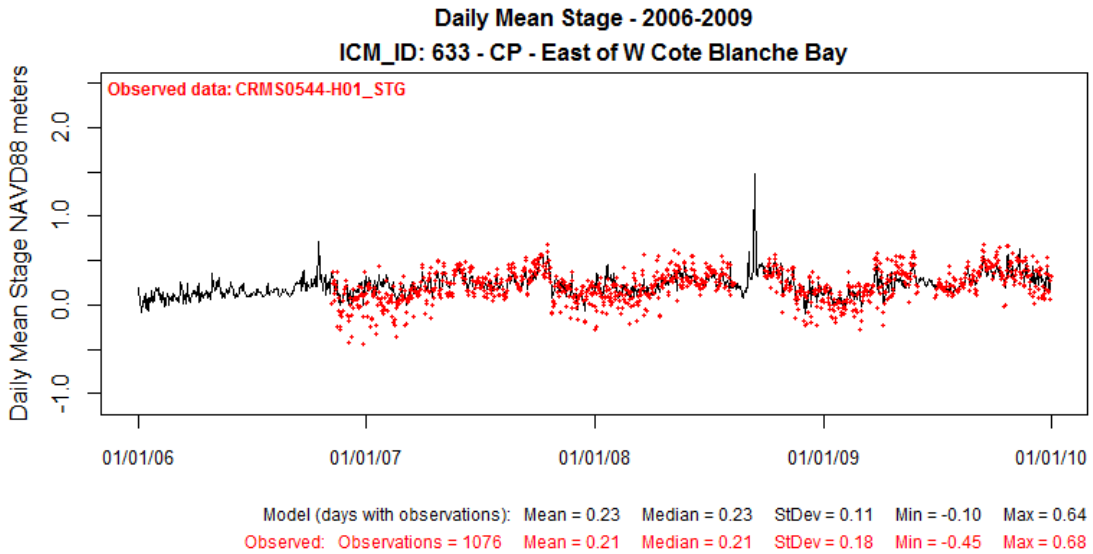


**Figure 312: Modeled Stage at ICM Compartment 633 (solid black line) Compared to Observed Data at CRMS0544-H01 for Validation Period 2006-2009.**

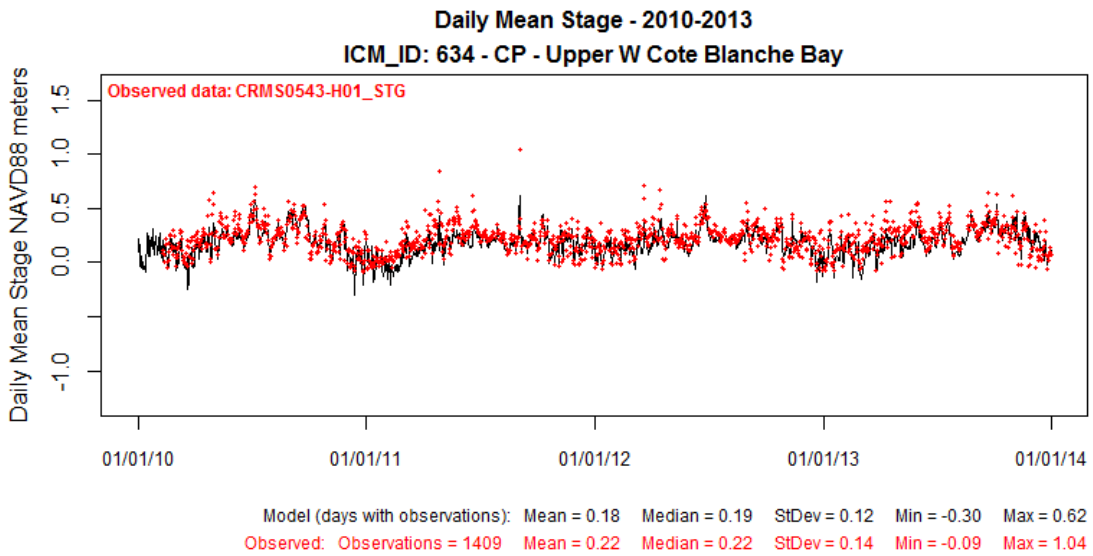


**Figure 313: Modeled Stage at ICM Compartment 634 (solid black line) Compared to Observed Data at CRMS0543-H01 for Calibration Period 2010-2013.**

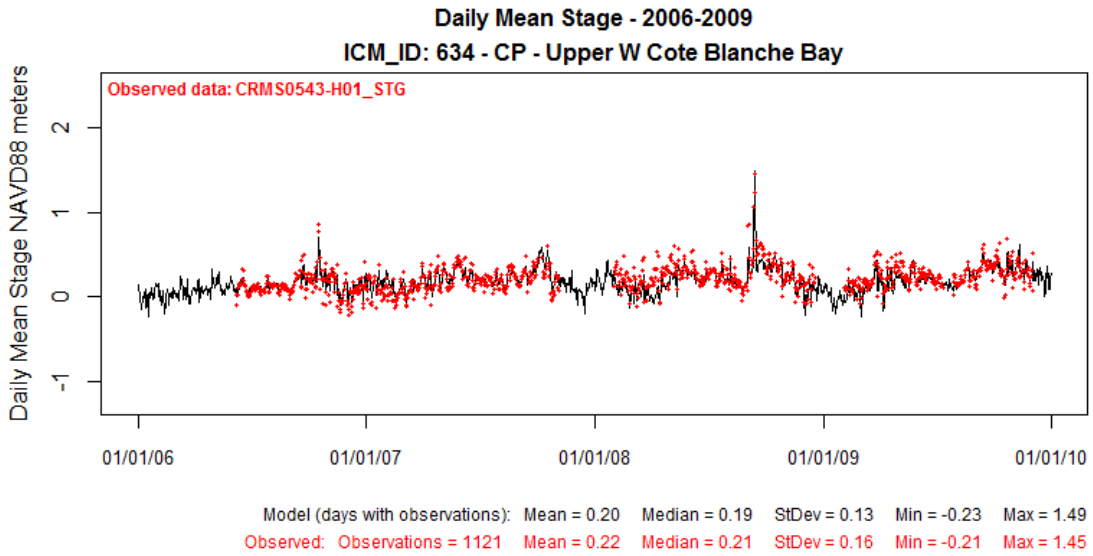


**Figure 314: Modeled Stage at ICM Compartment 634 (solid black line) Compared to Observed Data at CRMS0543-H01 for Validation Period 2006-2009.**

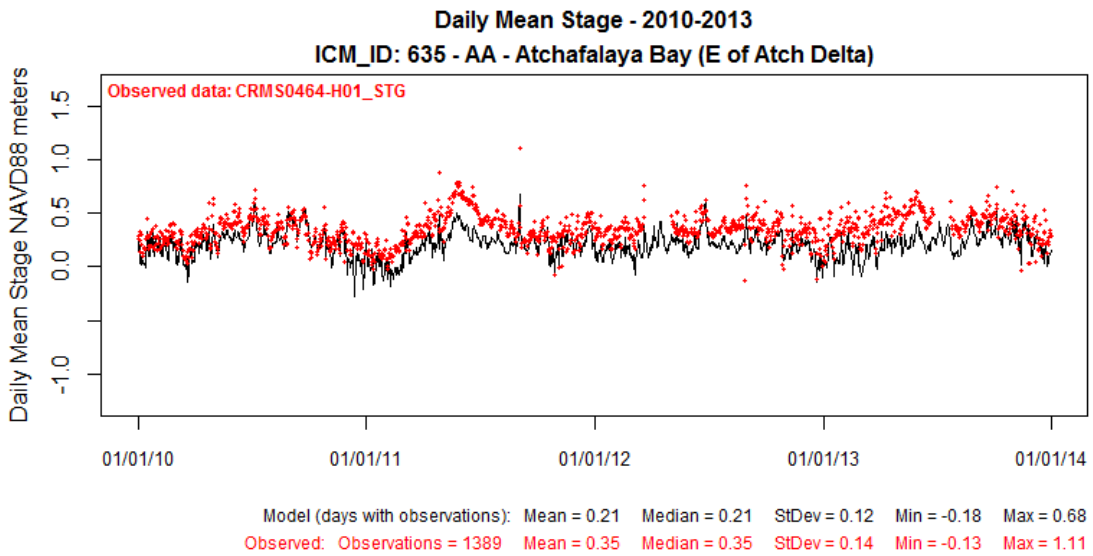


**Figure 315: Modeled Stage at ICM Compartment 635 (solid black line) Compared to Observed Data at CRMS0464-H01 for Calibration Period 2010-2013.**

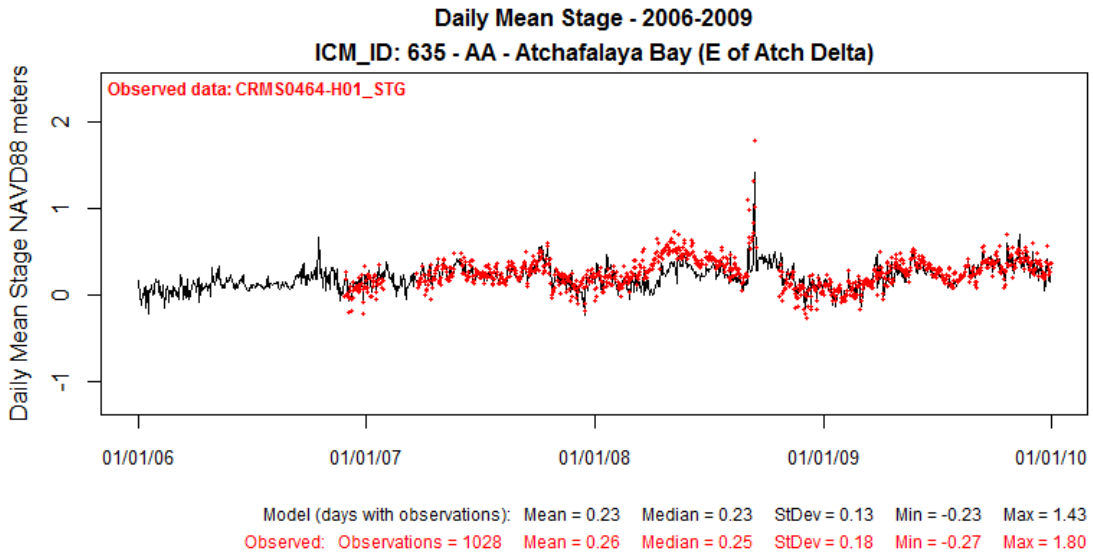


**Figure 316: Modeled Stage at ICM Compartment 635 (solid black line) Compared to Observed Data at CRMS0464-H01 for Validation Period 2006-2009.**

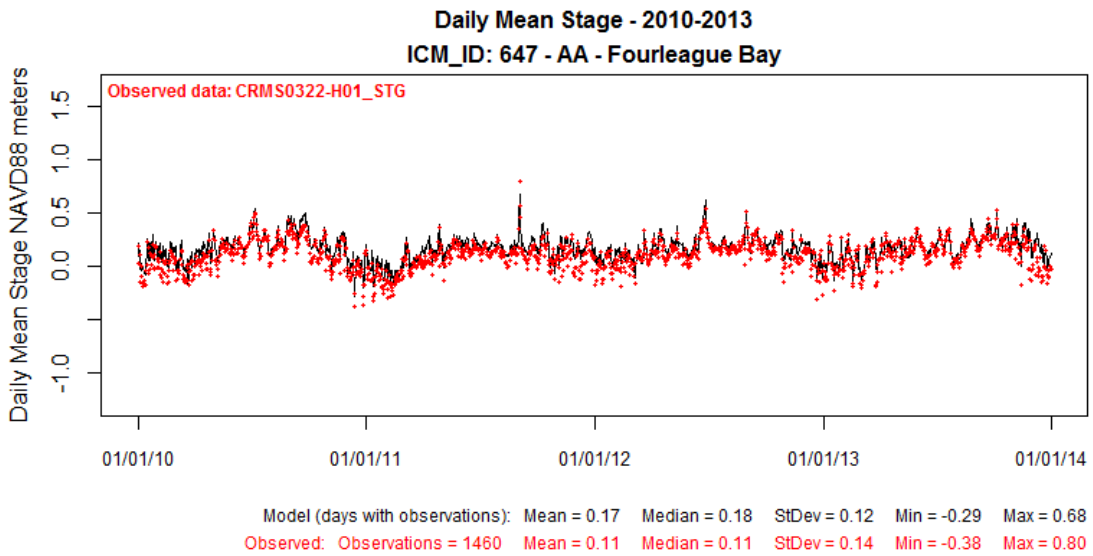


**Figure 317: Modeled Stage at ICM Compartment 647 (solid black line) Compared to Observed Data at CRMS0322-H01 for Calibration Period 2010-2013.**

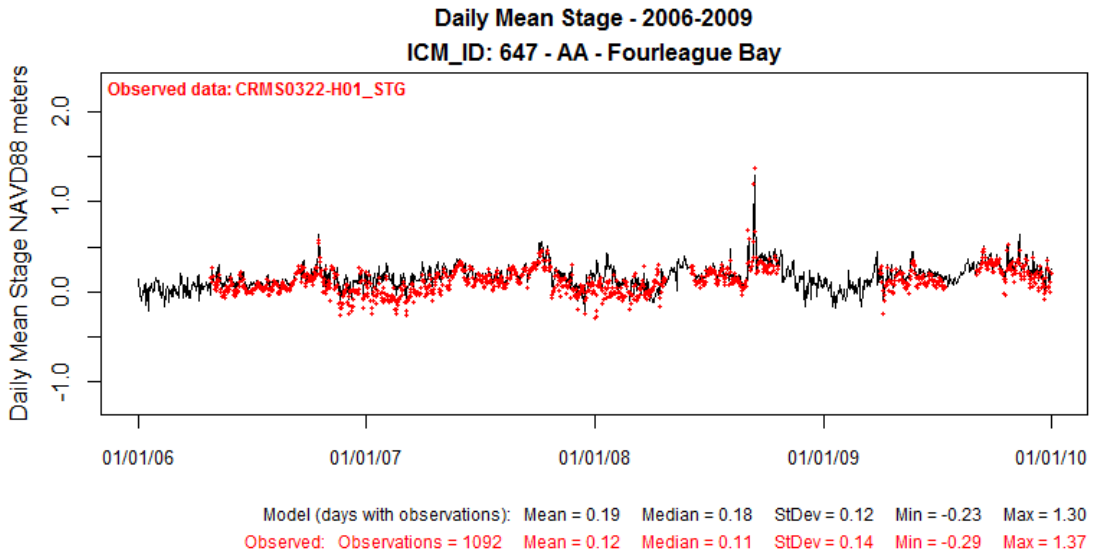


**Figure 318: Modeled Stage at ICM Compartment 647 (solid black line) Compared to Observed Data at CRMS0322-H01 for Validation Period 2006-2009.**

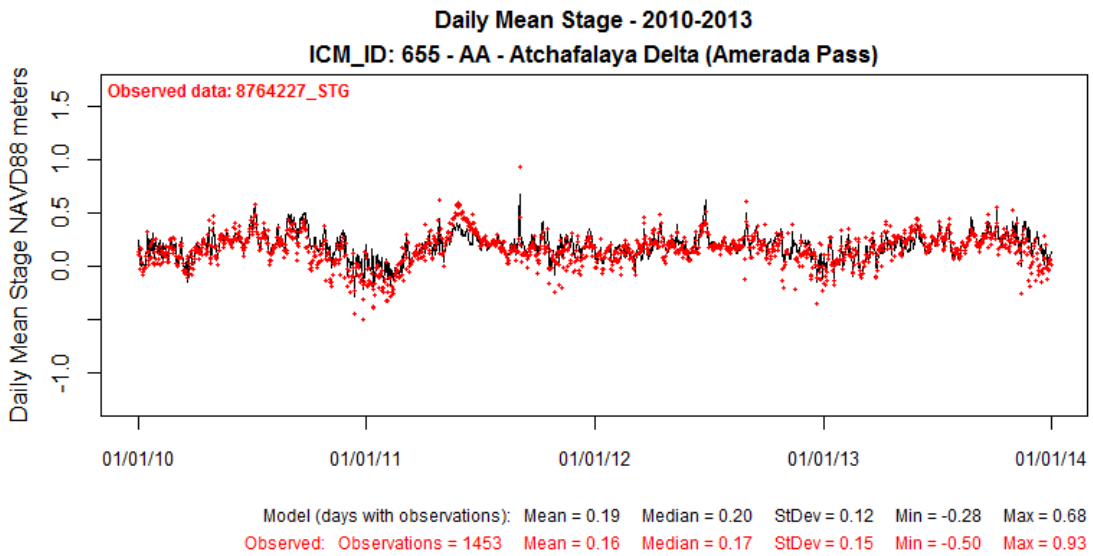


**Figure 319: Modeled Stage at ICM Compartment 655 (solid black line) Compared to Observed Data at USGS8764227 for Calibration Period 2010-2013.**

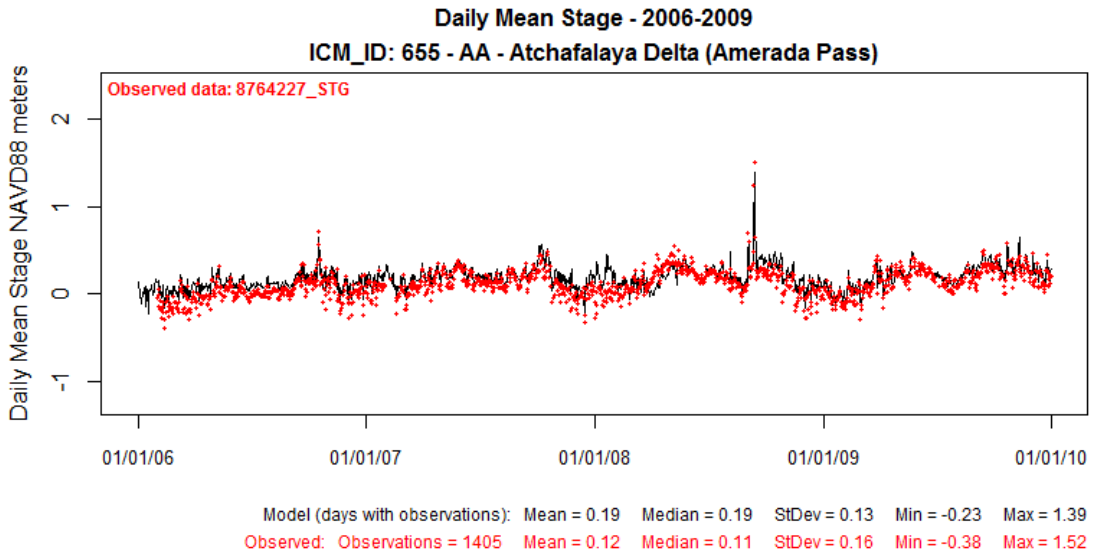


**Figure 320: Modeled Stage at ICM Compartment 655 (solid black line) Compared to Observed Data at USGS8764227 for Validation Period 2006-2009.**

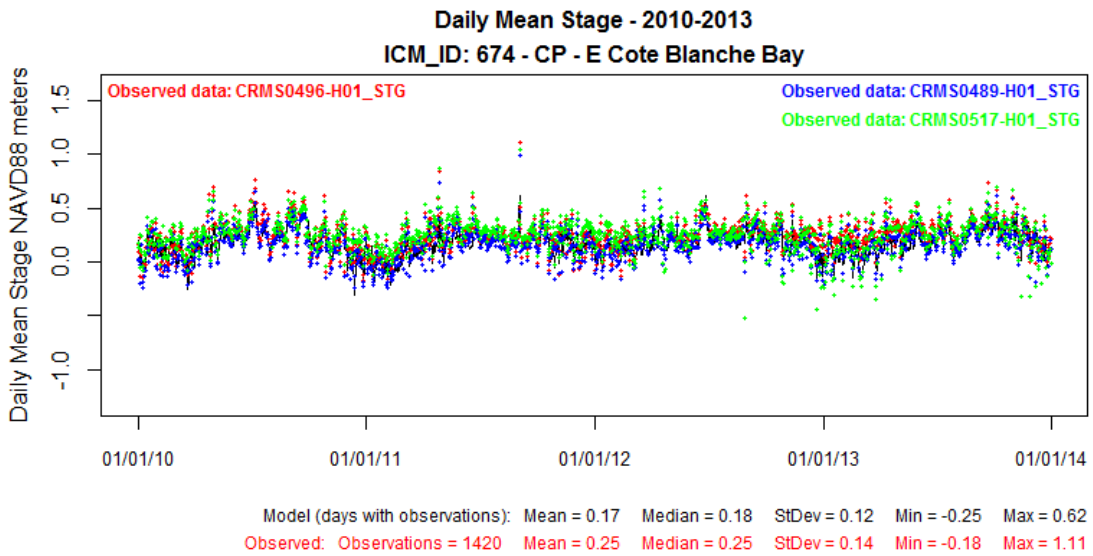


**Figure 321: Modeled Stage at ICM Compartment 674 (solid black line) Compared to Observed Data at CRMS0496-H01 for Calibration Period 2010-2013.**

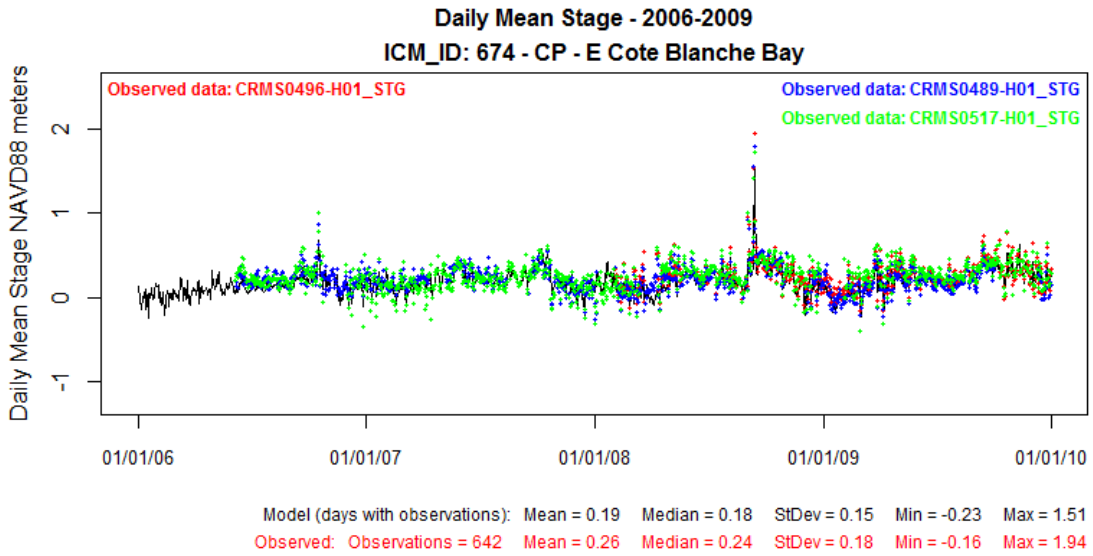


**Figure 322: Modeled Stage at ICM Compartment 674 (solid black line) Compared to Observed Data at CRMS0496-H01 for Validation Period 2006-2009.**

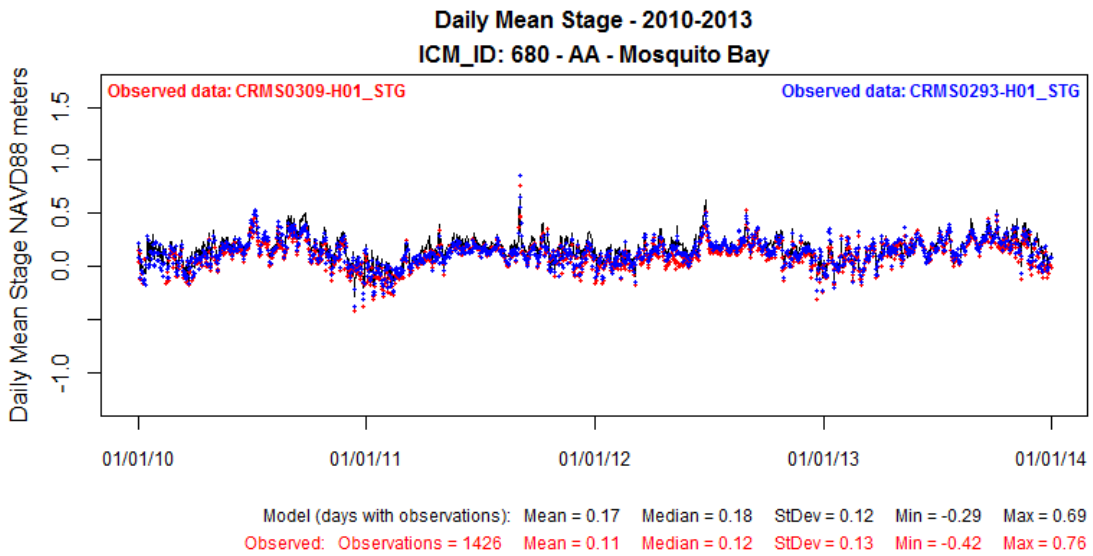


**Figure 323: Modeled Stage at ICM Compartment 680 (solid black line) Compared to Observed Data at CRMS0309-H01 for Calibration Period 2010-2013.**

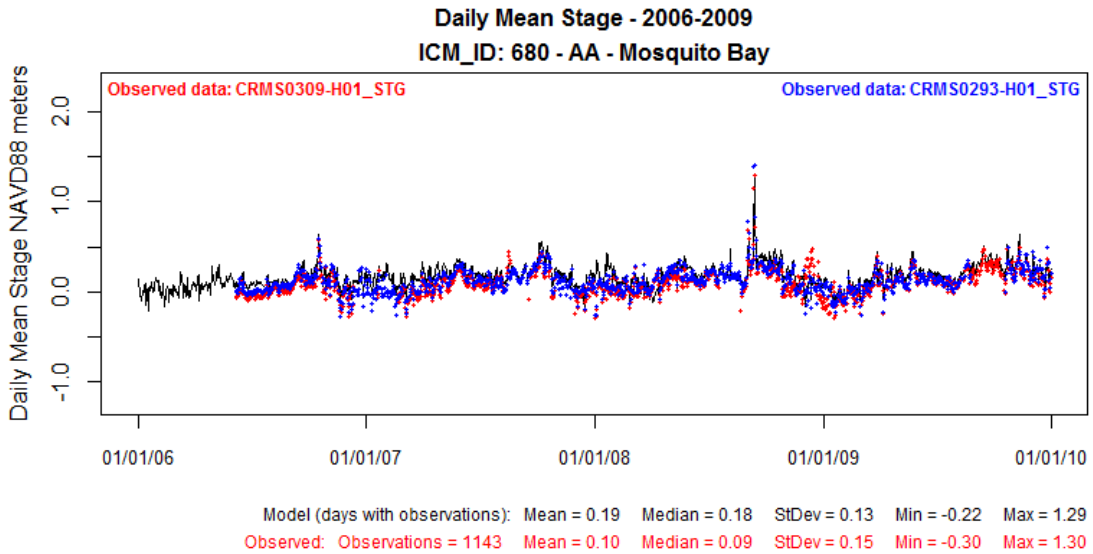


**Figure 324: Modeled Stage at ICM Compartment 680 (solid black line) Compared to Observed Data at CRMS0309-H01 for Validation Period 2006-2009.**

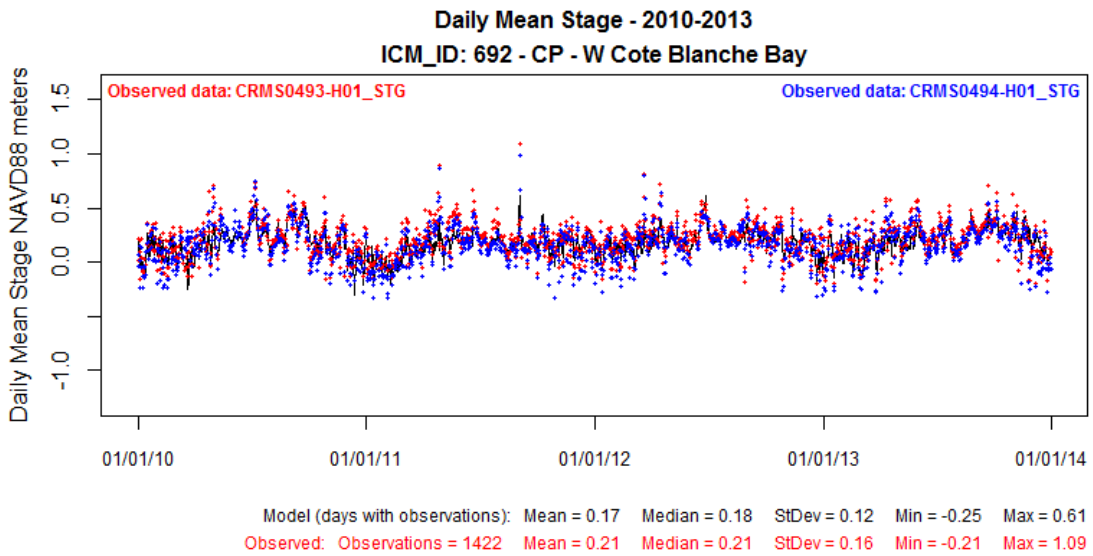


**Figure 325: Modeled Stage at ICM Compartment 692 (solid black line) Compared to Observed Data at CRMS0493-H01 for Calibration Period 2010-2013.**

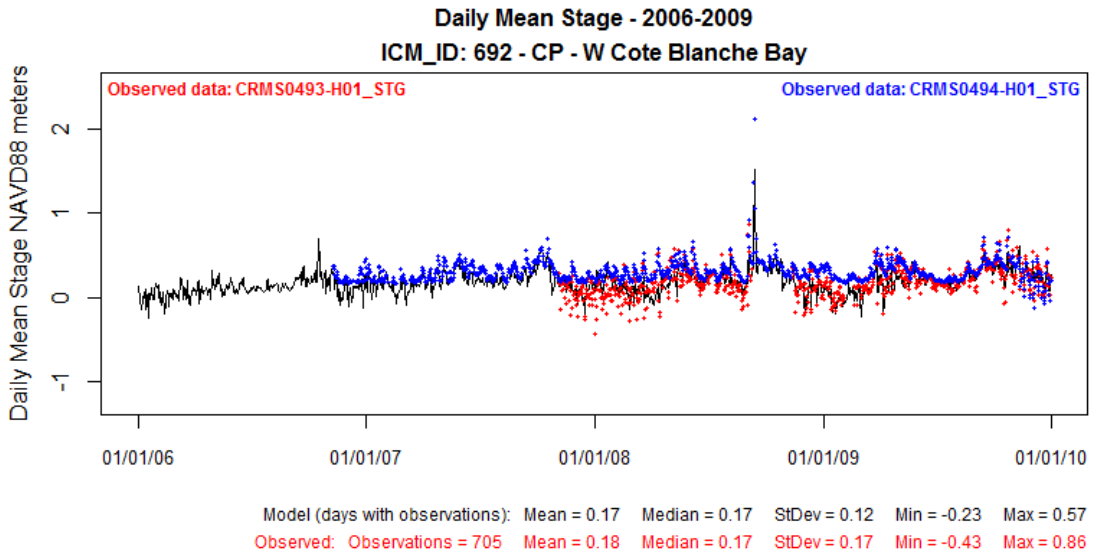


**Figure 326: Modeled Stage at ICM Compartment 692 (solid black line) Compared to Observed Data at CRMS0493-H01 for Validation Period 2006-2009.**

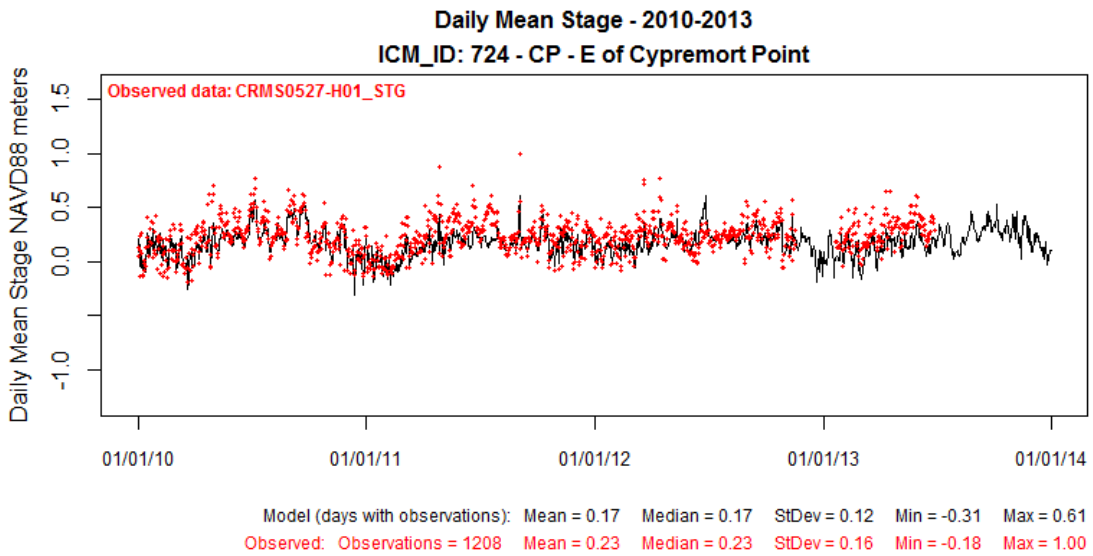


**Figure 327: Modeled Stage at ICM Compartment 724 (solid black line) Compared to Observed Data at CRMS0527-H01 for Calibration Period 2010-2013.**

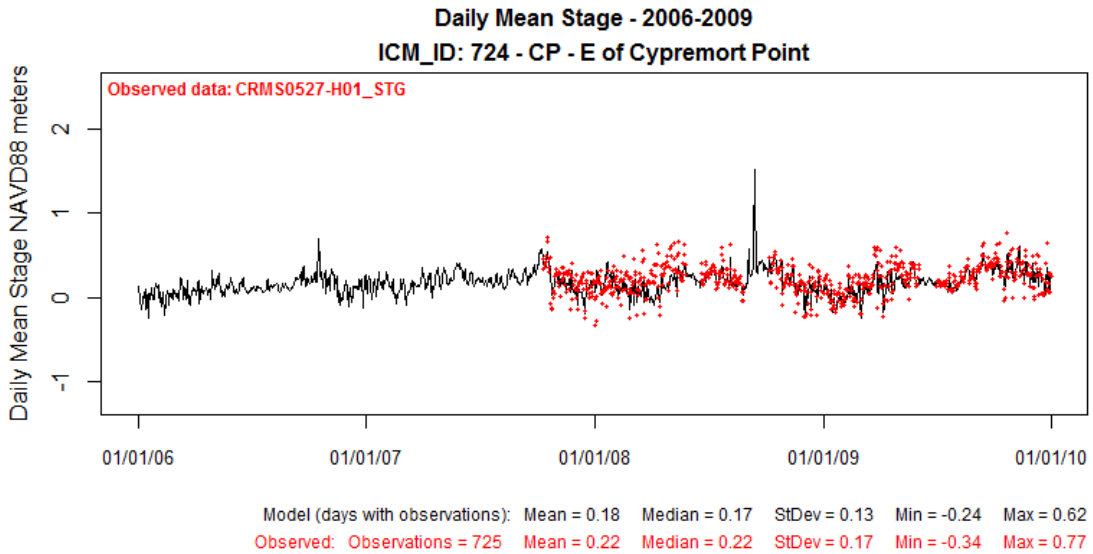


**Figure 328: Modeled Stage at ICM Compartment 724 (solid black line) Compared to Observed Data at CRMS0527-H01 for Validation Period 2006-2009.**

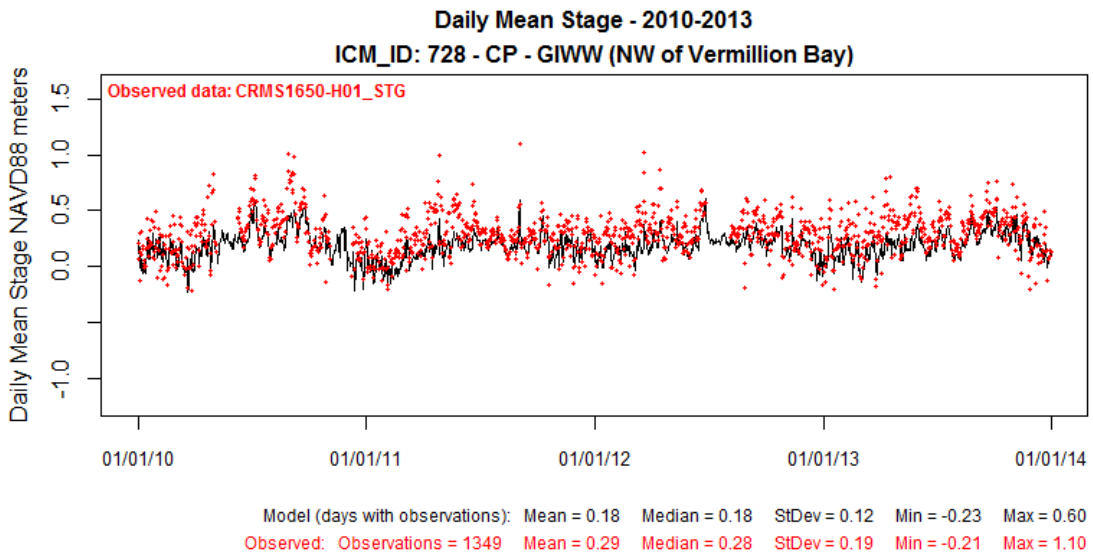


**Figure 329: Modeled Stage at ICM Compartment 728 (solid black line) Compared to Observed Data at CRMS1650-H01 for Calibration Period 2010-2013.**

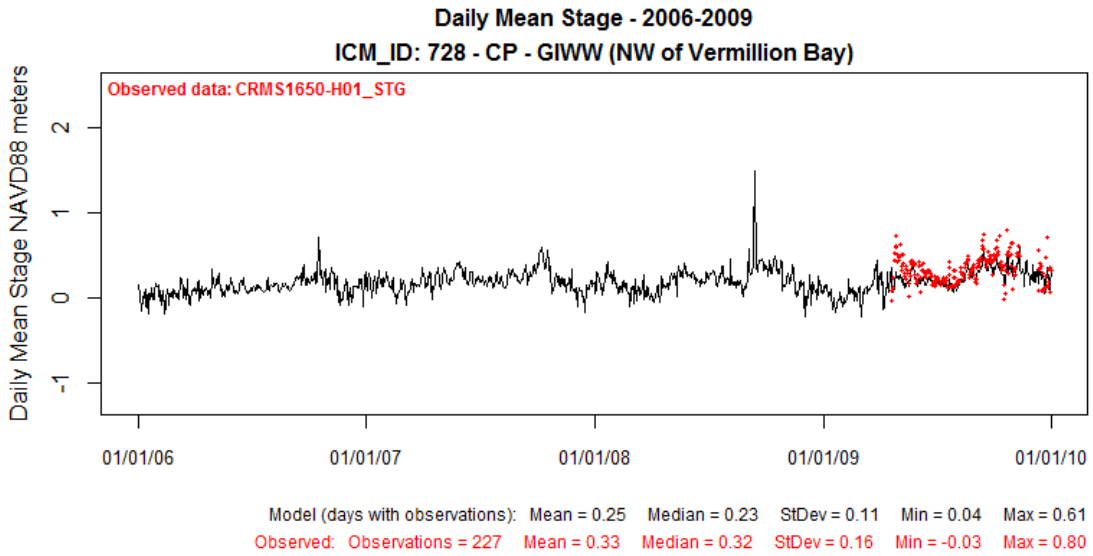


**Figure 330: Modeled Stage at ICM Compartment 728 (solid black line) Compared to Observed Data at CRMS1650-H01 for Validation Period 2006-2009.**

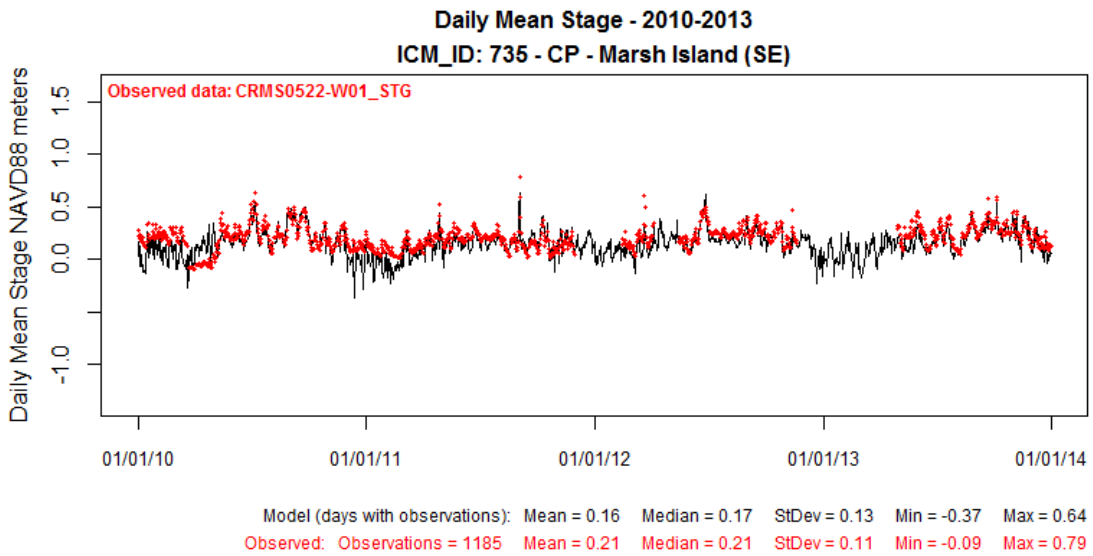


**Figure 331: Modeled Stage at ICM Compartment 735 (solid black line) Compared to Observed Data at CRMS0522-W01 for Calibration Period 2010-2013.**

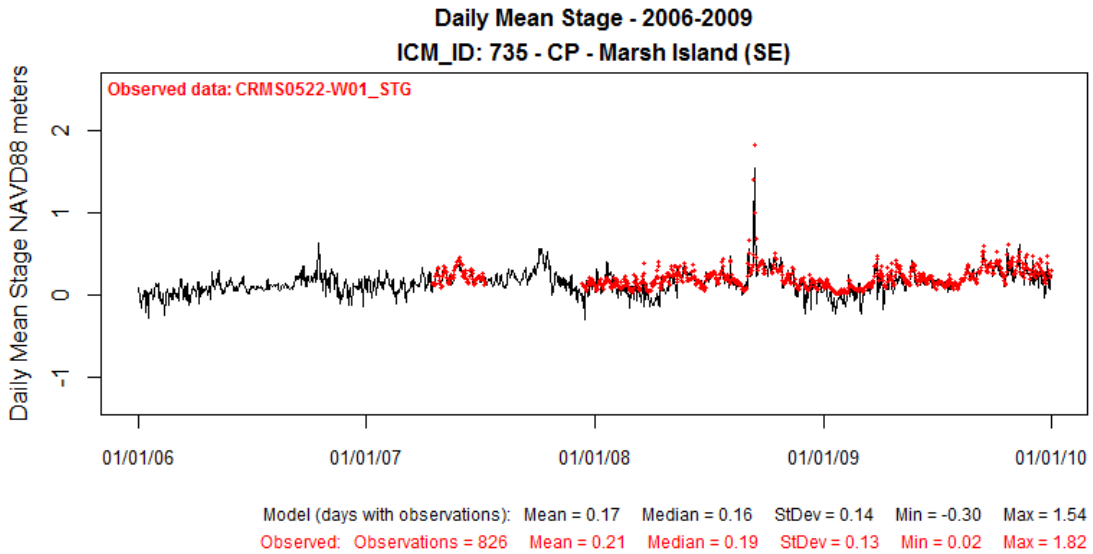


**Figure 332: Modeled Stage at ICM Compartment 735 (solid black line) Compared to Observed Data at CRMS0522-W01 for Validation Period 2006-2009.**

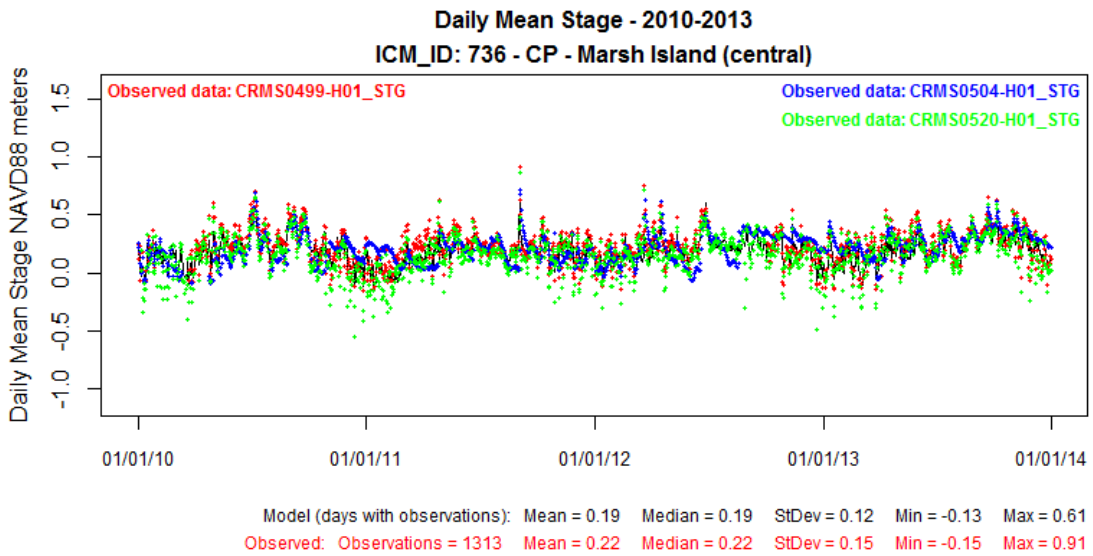


**Figure 333: Modeled Stage at ICM Compartment 736 (solid black line) Compared to Observed Data at CRMS0499-H01 for Calibration Period 2010-2013.**

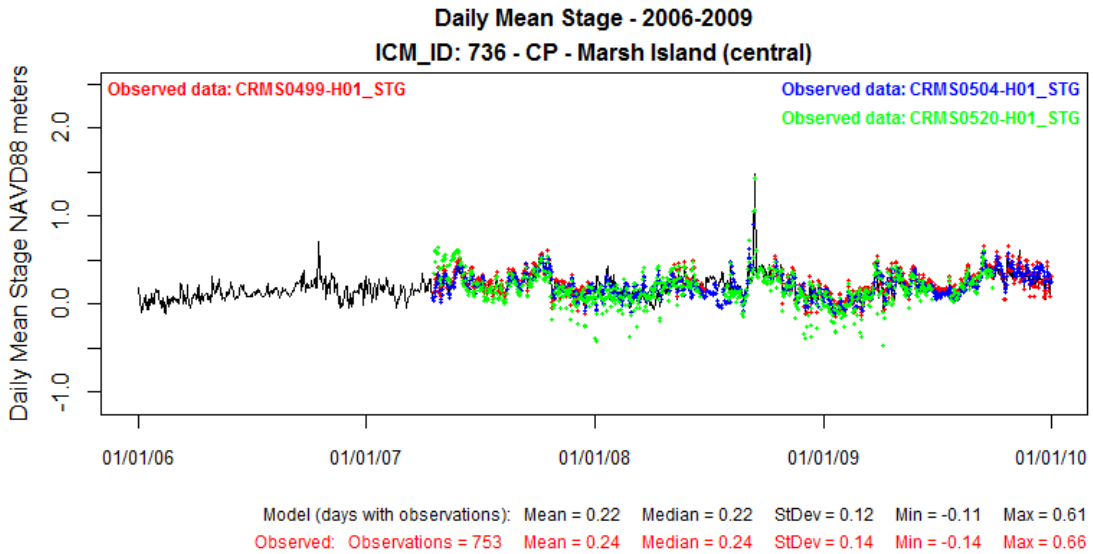


**Figure 334: Modeled Stage at ICM Compartment 736 (solid black line) Compared to Observed Data at CRMS0499-H01 for Validation Period 2006-2009.**

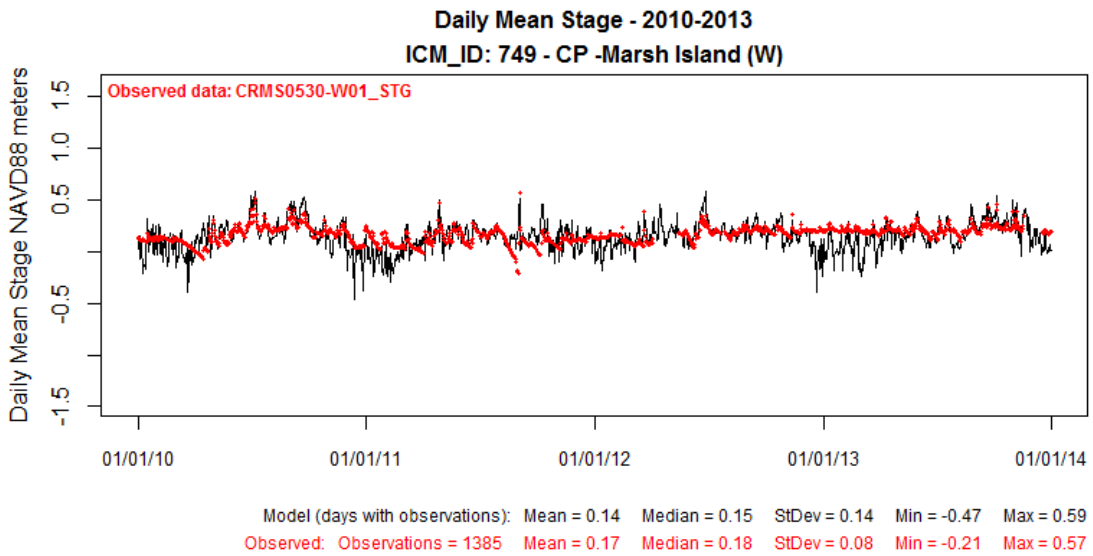


**Figure 335: Modeled Stage at ICM Compartment 749 (solid black line) Compared to Observed Data at CRMS0530-W01 for Calibration Period 2010-2013.**

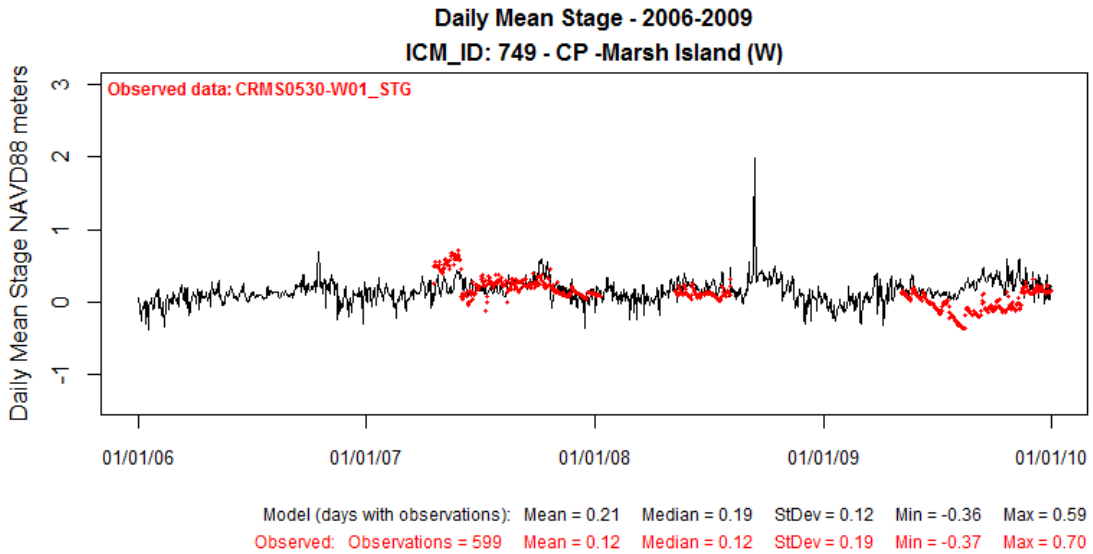


**Figure 336: Modeled Stage at ICM Compartment 749 (solid black line) Compared to Observed Data at CRMS0530-W01 for Validation Period 2006-2009.**

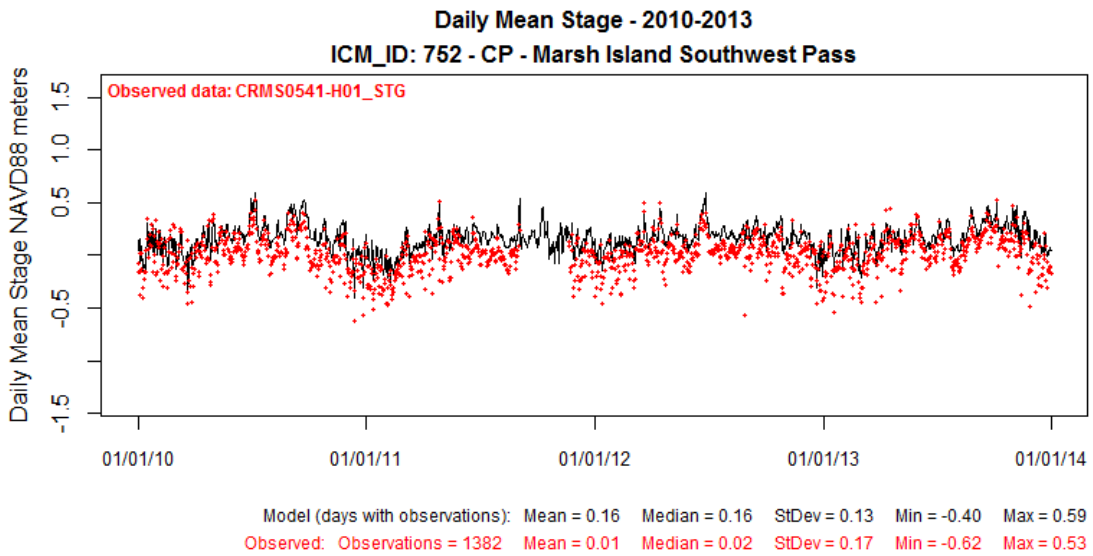


**Figure 337: Modeled Stage at ICM Compartment 752 (solid black line) Compared to Observed Data at CRMS0541-H01 for Calibration Period 2010-2013.**

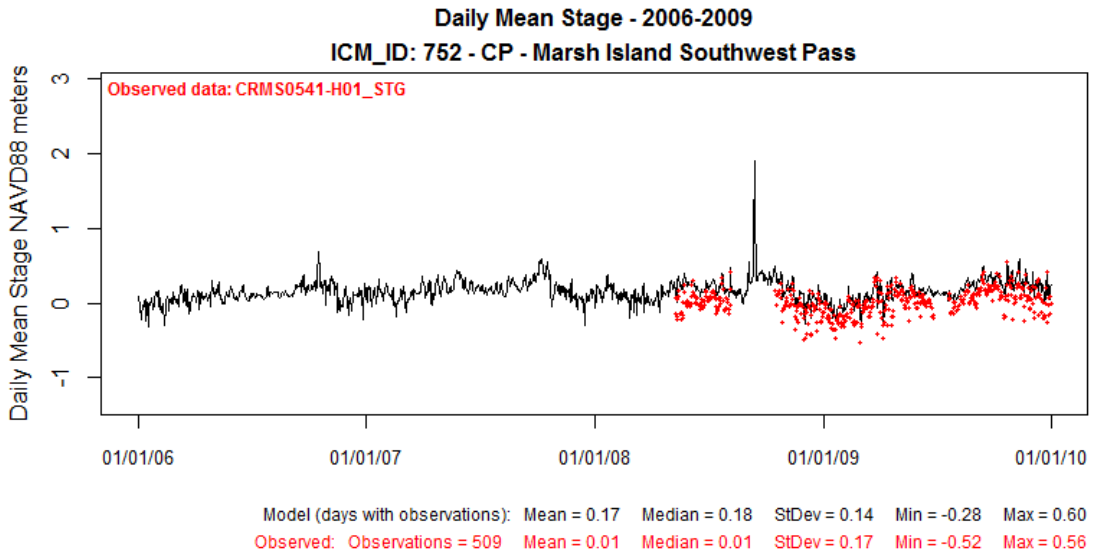


**Figure 338: Modeled Stage at ICM Compartment 752 (solid black line) Compared to Observed Data at CRMS0541-H01 for Validation Period 2006-2009.**

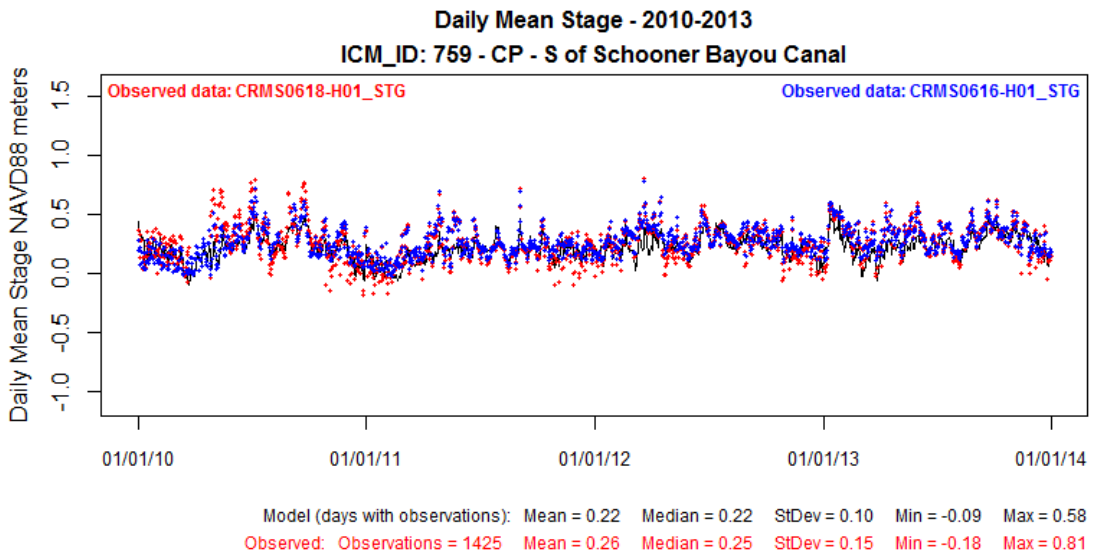


**Figure 339: Modeled Stage at ICM Compartment 759 (solid black line) Compared to Observed Data at CRMS0618-H01 for Calibration Period 2010-2013.**

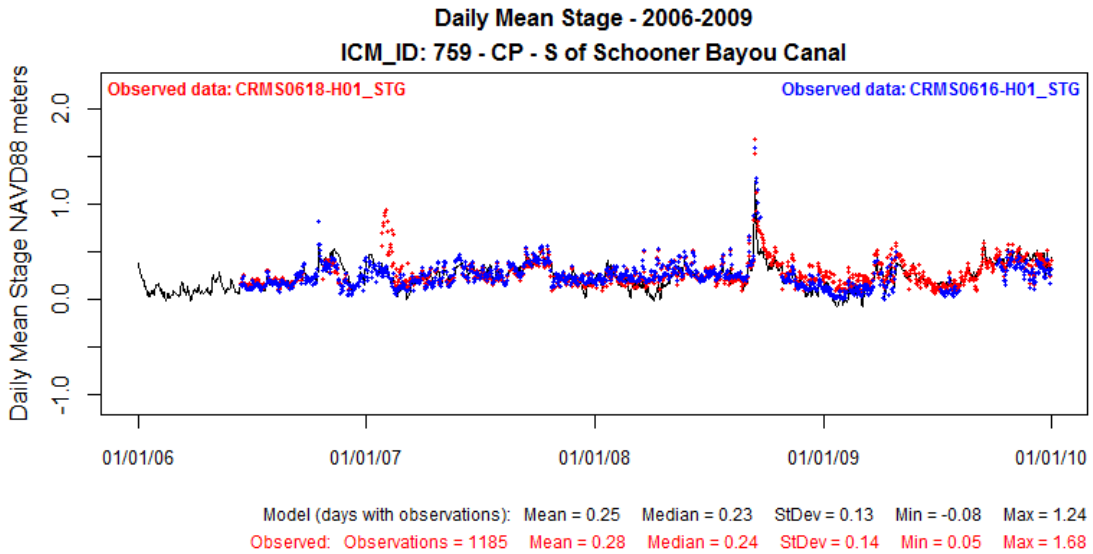


**Figure 340: Modeled Stage at ICM Compartment 759 (solid black line) Compared to Observed Data at CRMS0618-H01 for Validation Period 2006-2009.**

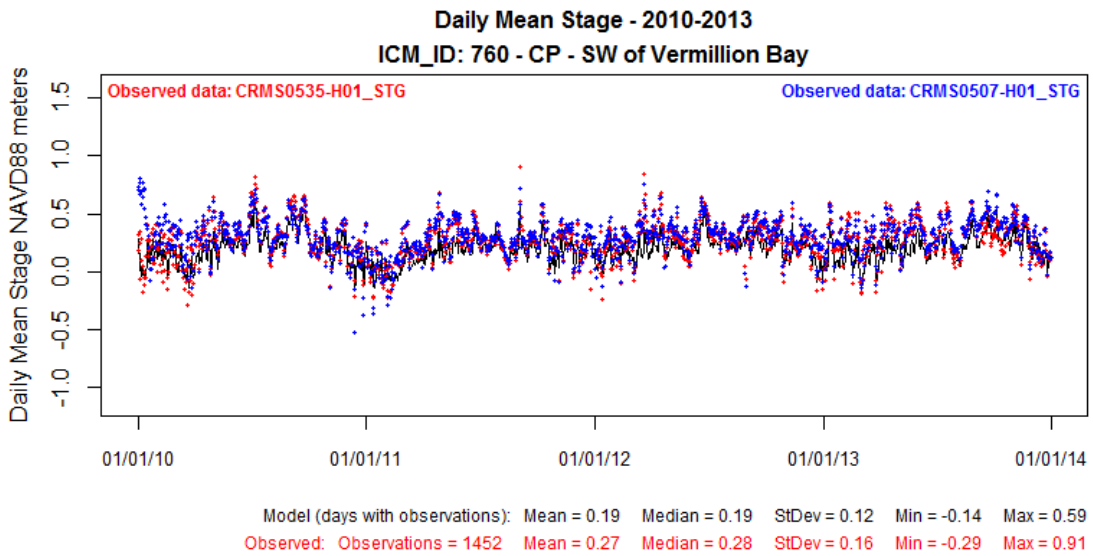


**Figure 341: Modeled Stage at ICM Compartment 760 (solid black line) Compared to Observed Data at CRMS0535-H01 for Calibration Period 2010-2013.**

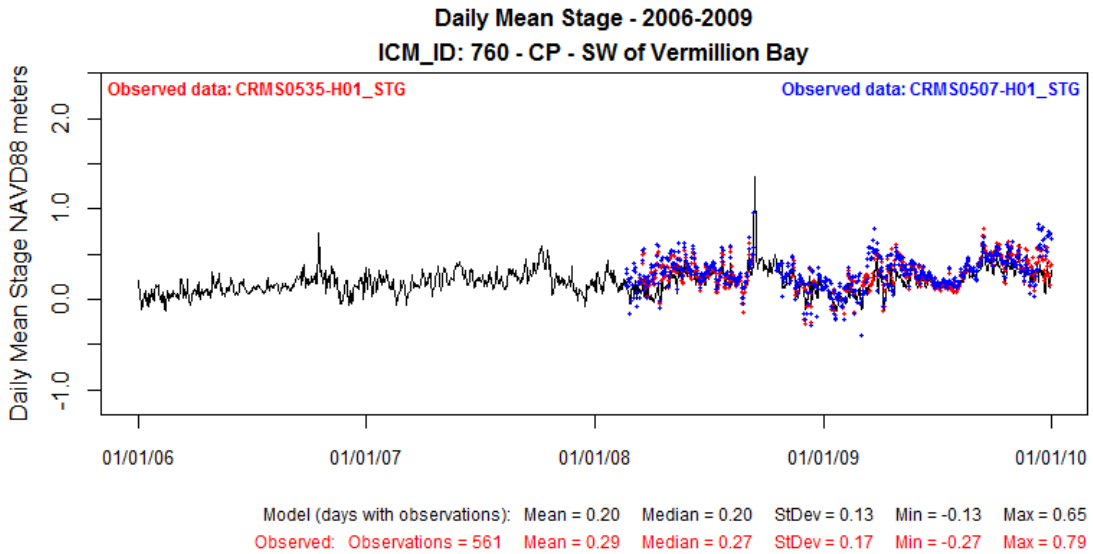


**Figure 342: Modeled Stage at ICM Compartment 760 (solid black line) Compared to Observed Data at CRMS0535-H01 for Validation Period 2006-2009.**

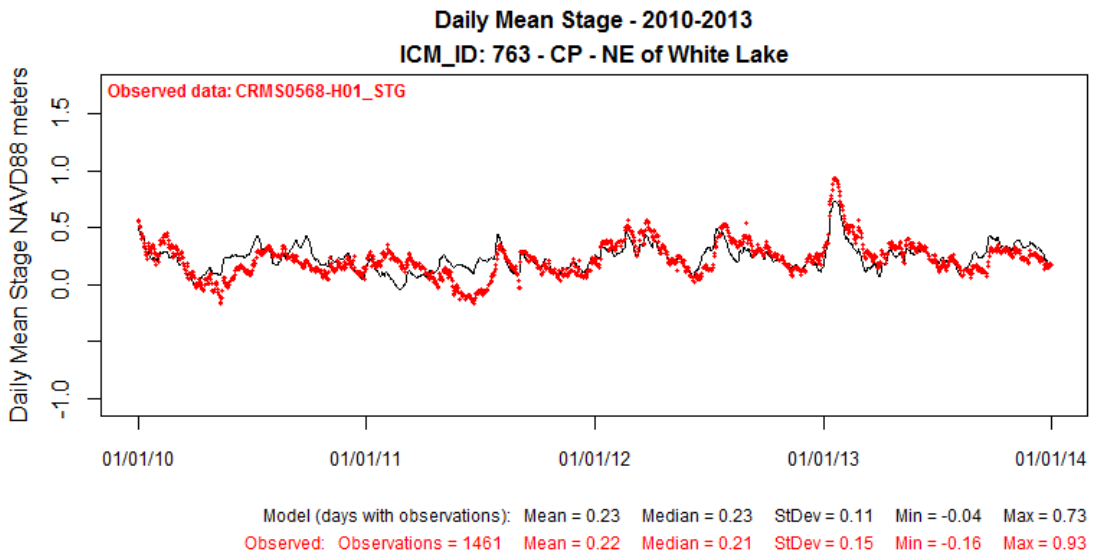


**Figure 343: Modeled Stage at ICM Compartment 763 (solid black line) Compared to Observed Data at CRMS0568-H01 for Calibration Period 2010-2013.**

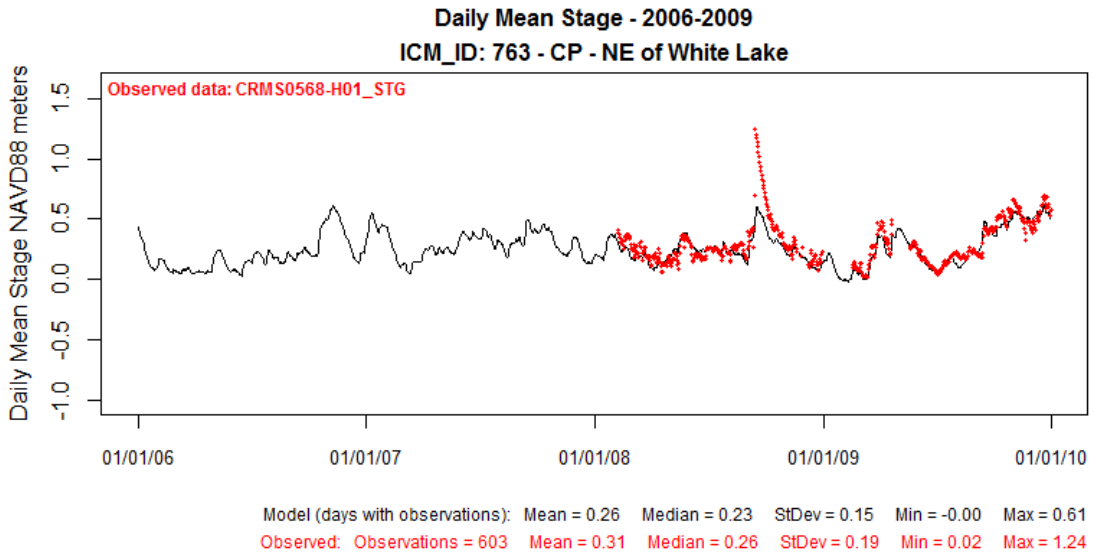


**Figure 344: Modeled Stage at ICM Compartment 763 (solid black line) Compared to Observed Data at CRMS0568-H01 for Validation Period 2006-2009.**

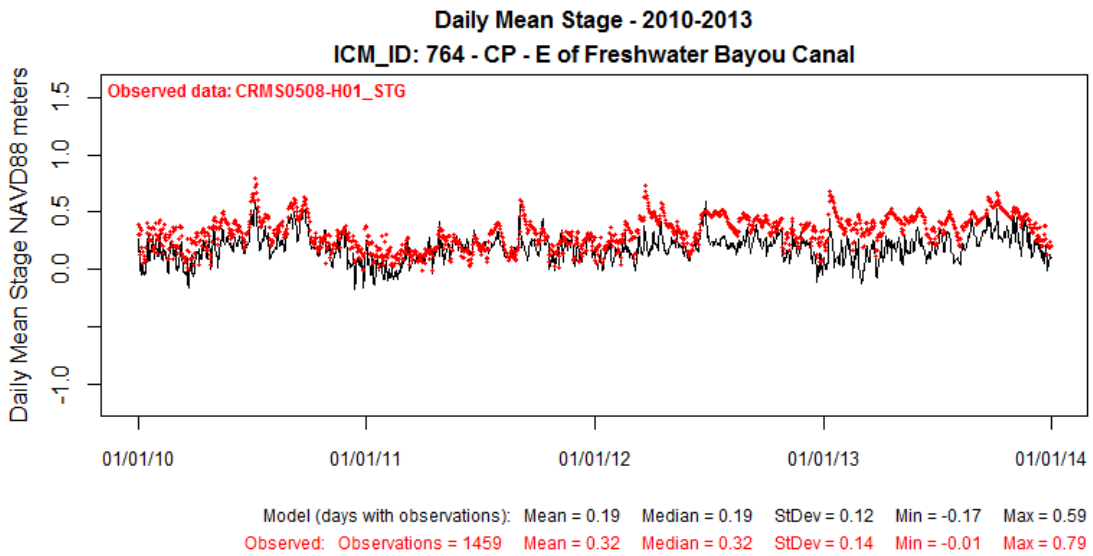


**Figure 345: Modeled Stage at ICM Compartment 764 (solid black line) Compared to Observed Data at CRMS0508-H01 for Calibration Period 2010-2013.**

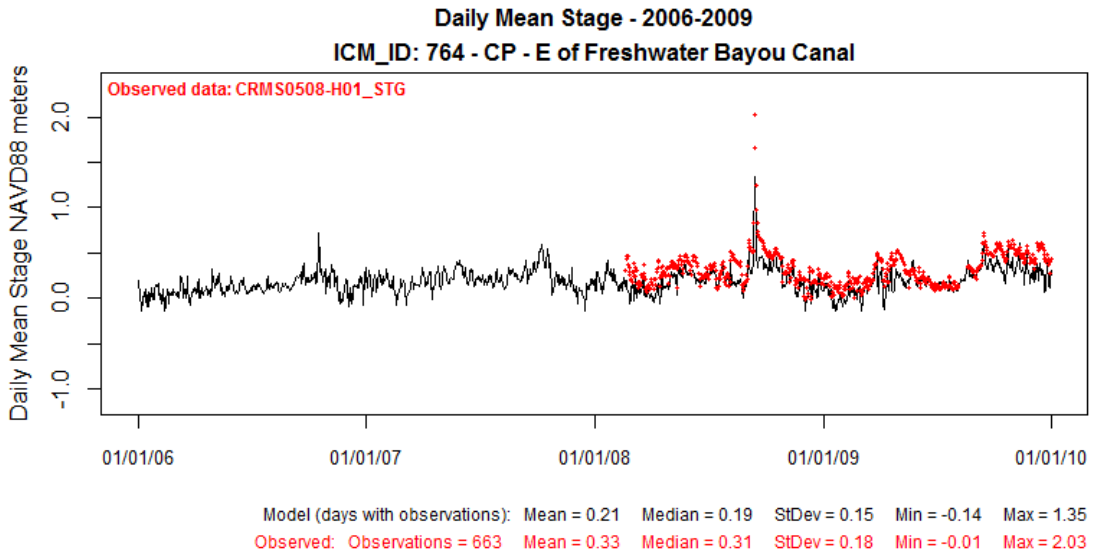


**Figure 346: Modeled Stage at ICM Compartment 764 (solid black line) Compared to Observed Data at CRMS0508-H01 for Validation Period 2006-2009.**

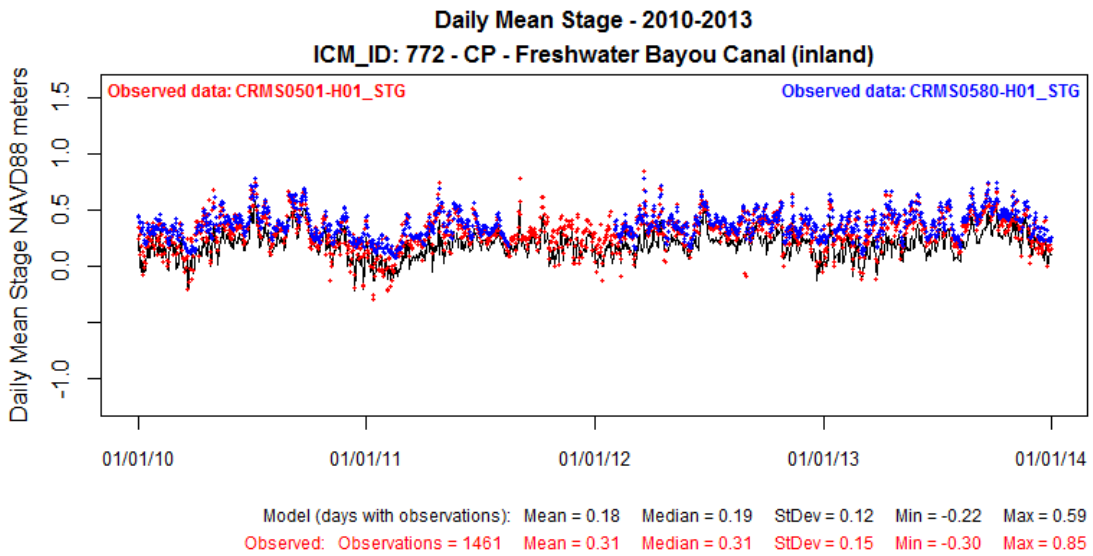


**Figure 347: Modeled Stage at ICM Compartment 772 (solid black line) Compared to Observed Data at CRMS0501-H01 for Calibration Period 2010-2013.**

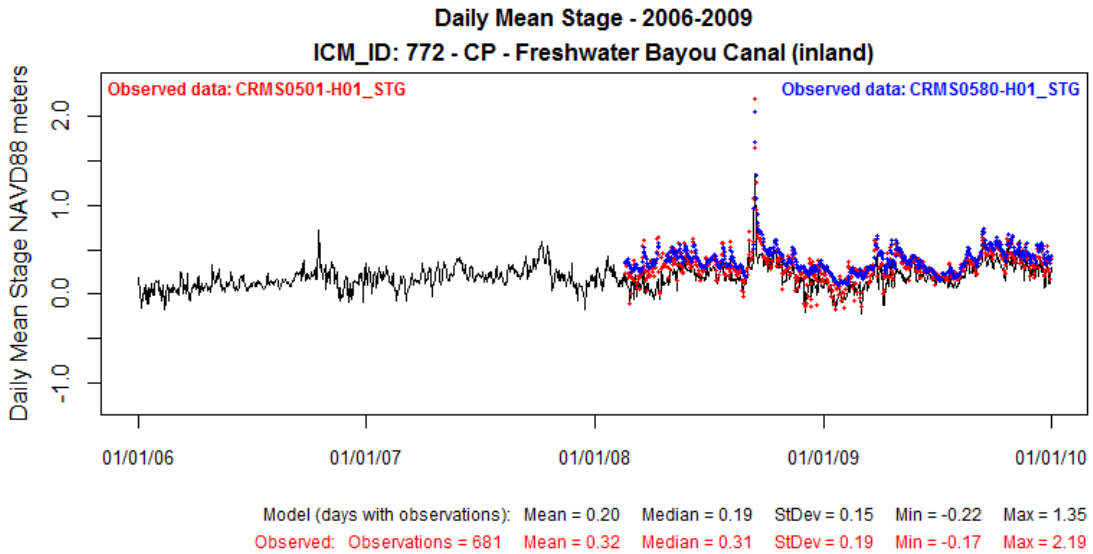


**Figure 348: Modeled Stage at ICM Compartment 772 (solid black line) Compared to Observed Data at CRMS0501-H01 for Validation Period 2006-2009.**

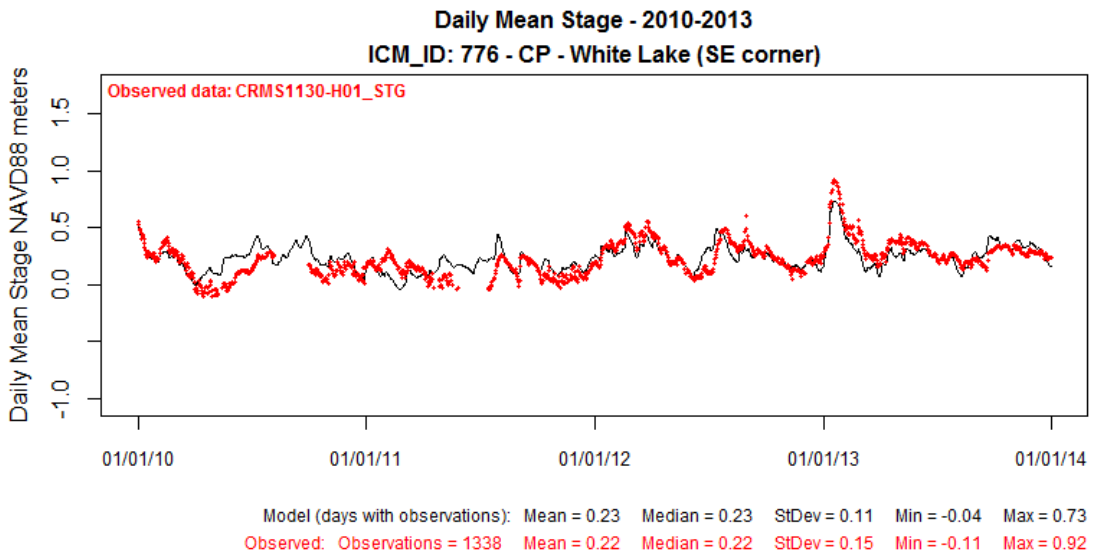


**Figure 349: Modeled Stage at ICM Compartment 776 (solid black line) Compared to Observed Data at CRMS1130-H01 for Calibration Period 2010-2013.**

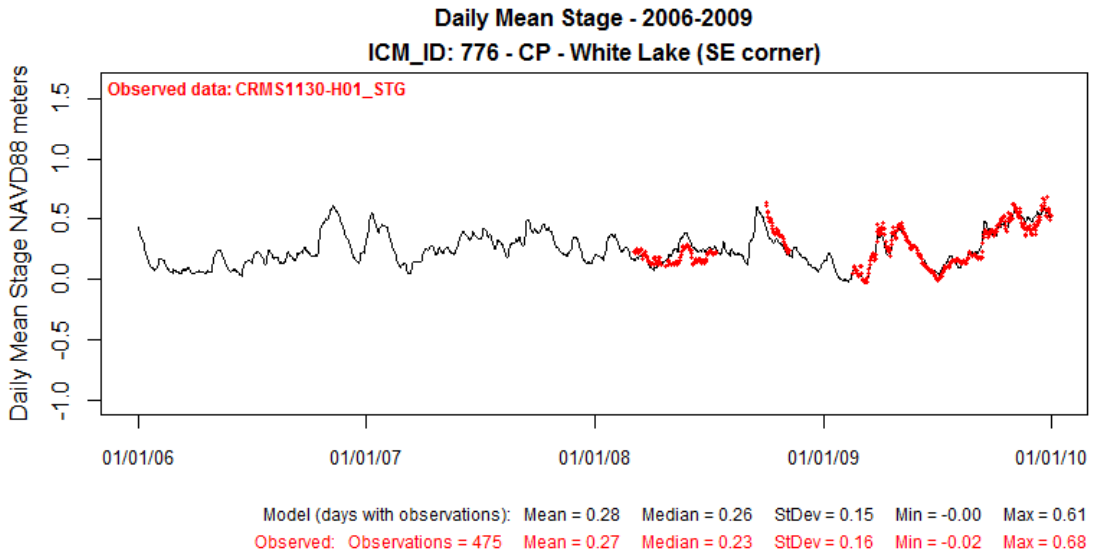


**Figure 350: Modeled Stage at ICM Compartment 776 (solid black line) Compared to Observed Data at CRMS1130-H01 for Validation Period 2006-2009.**

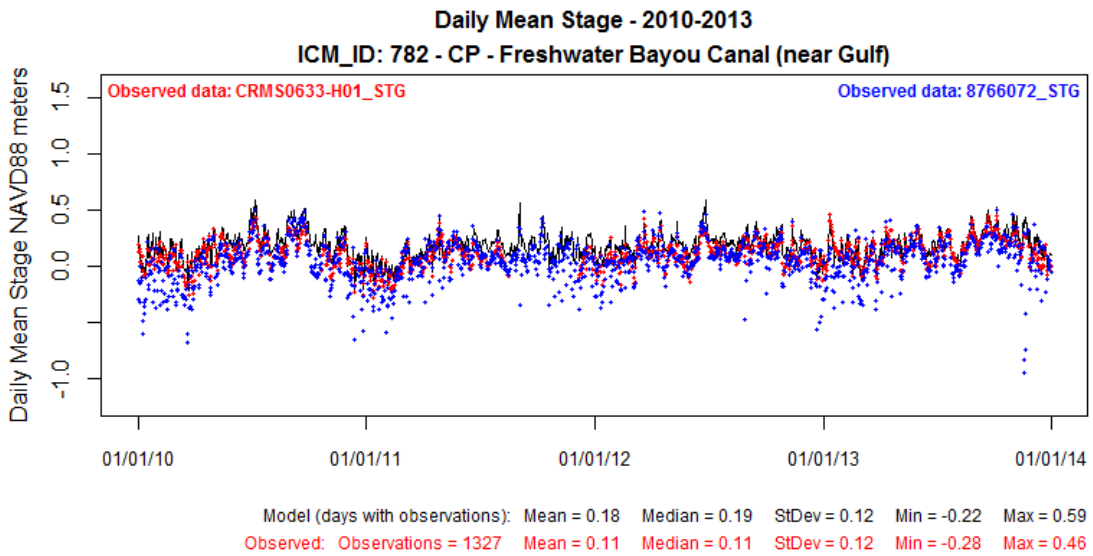


**Figure 351: Modeled Stage at ICM Compartment 782 (solid black line) Compared to Observed Data at CRMS0633-H01 for Calibration Period 2010-2013.**

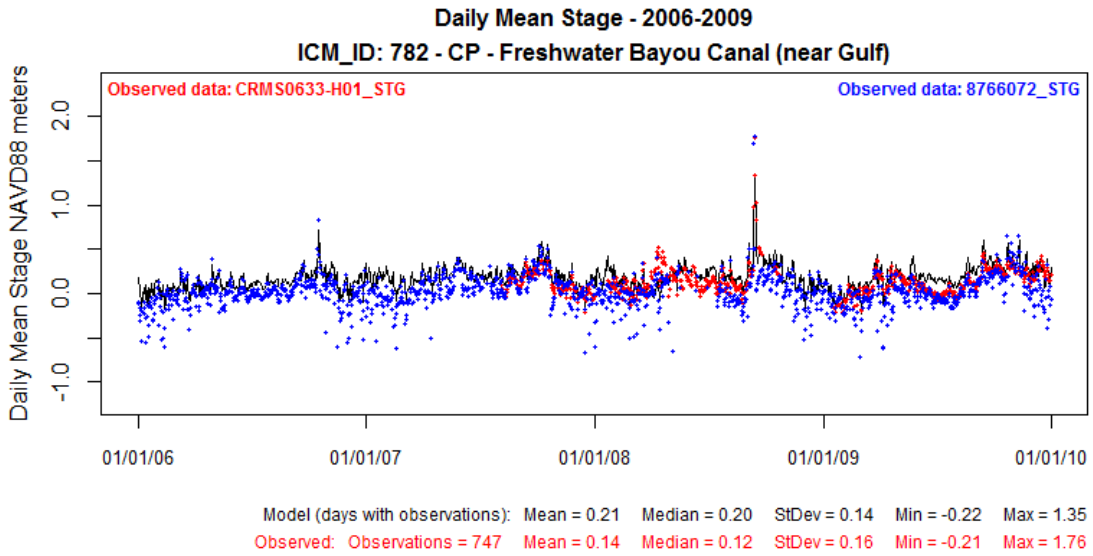


**Figure 352: Modeled Stage at ICM Compartment 782 (solid black line) Compared to Observed Data at CRMS0633-H01 for Validation Period 2006-2009.**

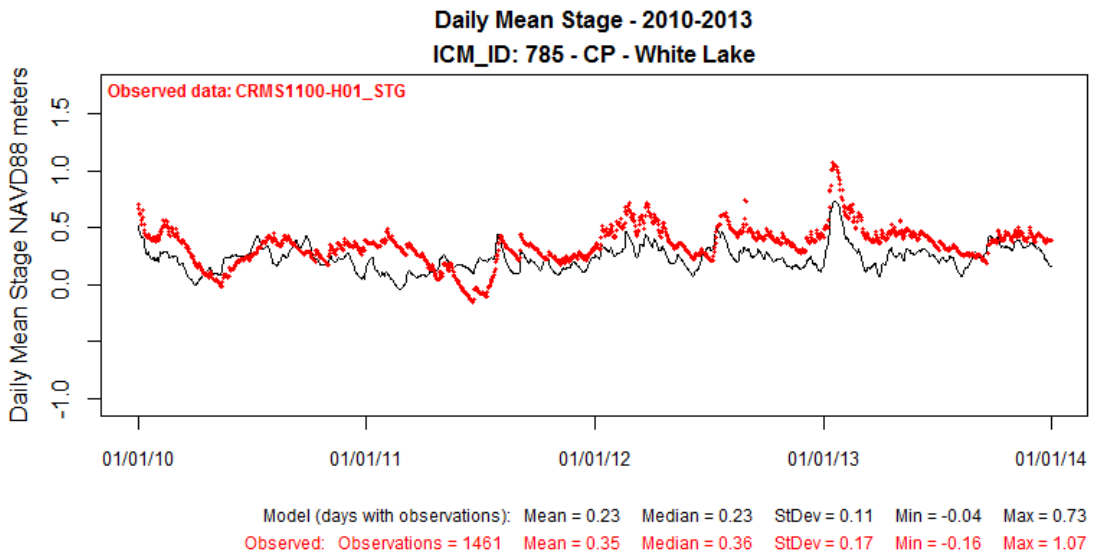


**Figure 353: Modeled Stage at ICM Compartment 785 (solid black line) Compared to Observed Data at CRMS1100-H01 for Calibration Period 2010-2013.**

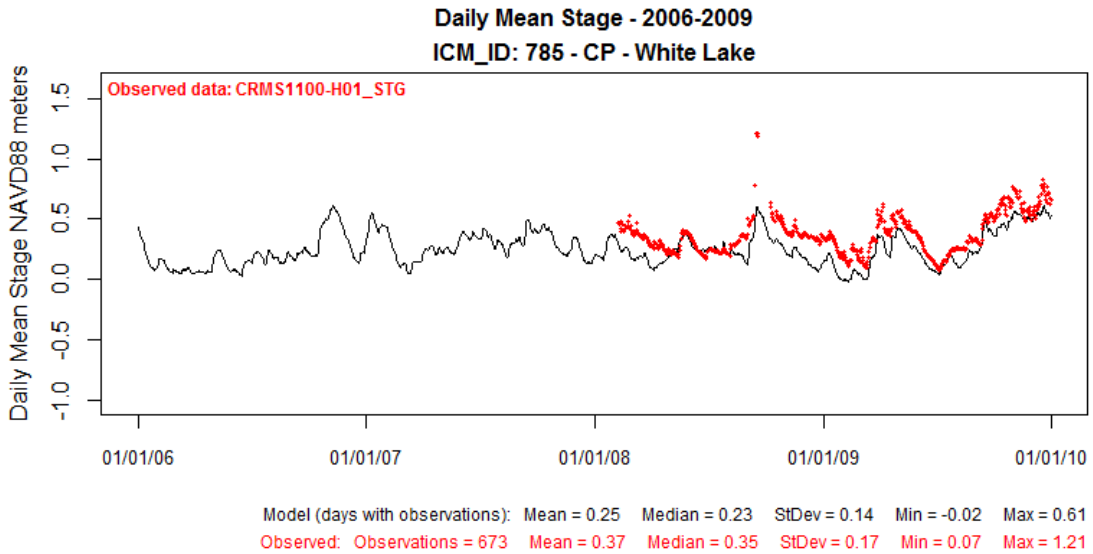


**Figure 354: Modeled Stage at ICM Compartment 785 (solid black line) Compared to Observed Data at CRMS1100-H01 for Validation Period 2006-2009.**

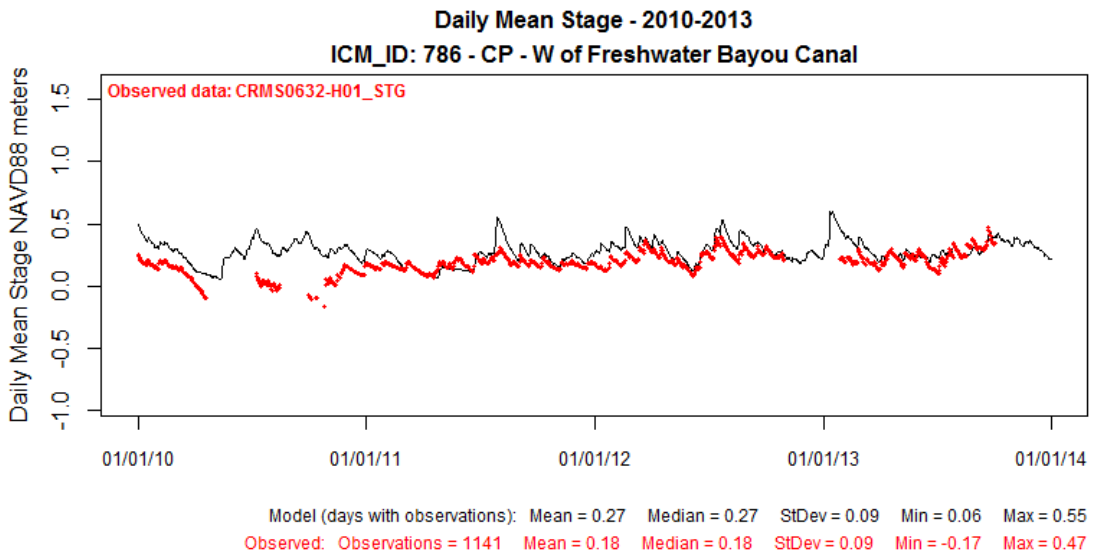


**Figure 355: Modeled Stage at ICM Compartment 786 (solid black line) Compared to Observed Data at CRMS0632-H01 for Calibration Period 2010-2013.**

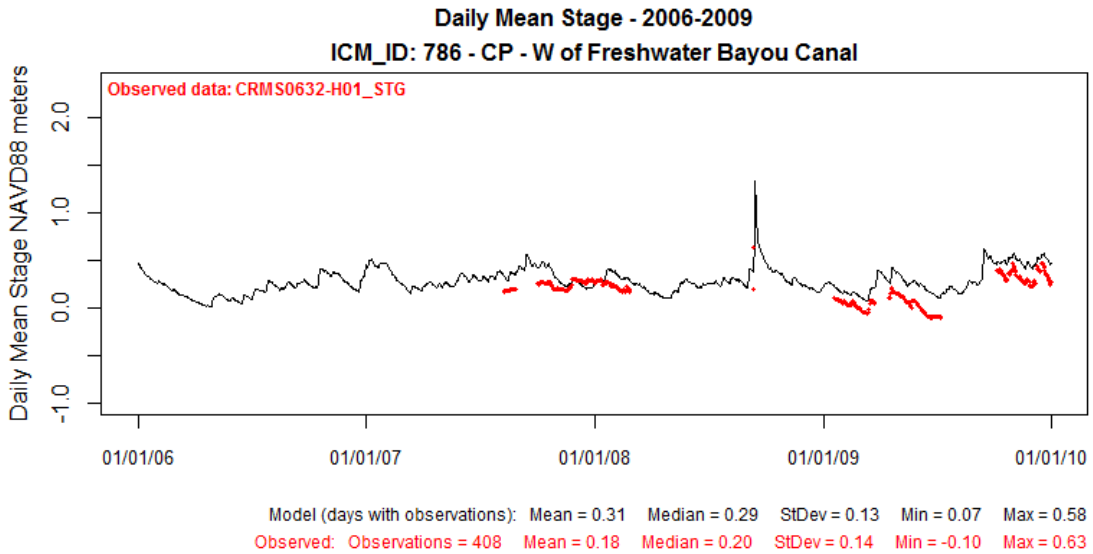


**Figure 356: Modeled Stage at ICM Compartment 786 (solid black line) Compared to Observed Data at CRMS0632-H01 for Validation Period 2006-2009.**

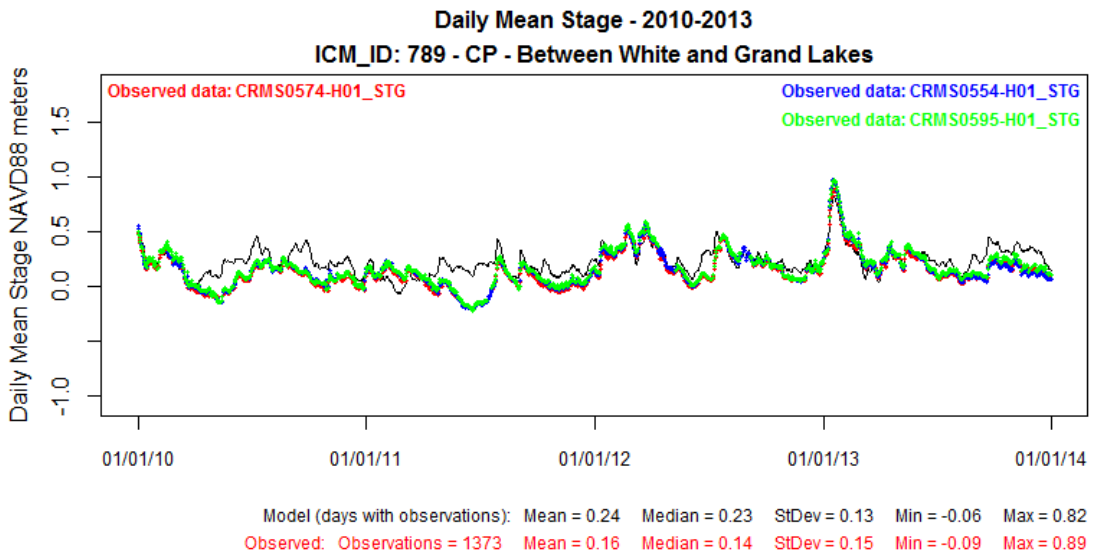


**Figure 357: Modeled Stage at ICM Compartment 789 (solid black line) Compared to Observed Data at CRMS0574-H01 for Calibration Period 2010-2013.**

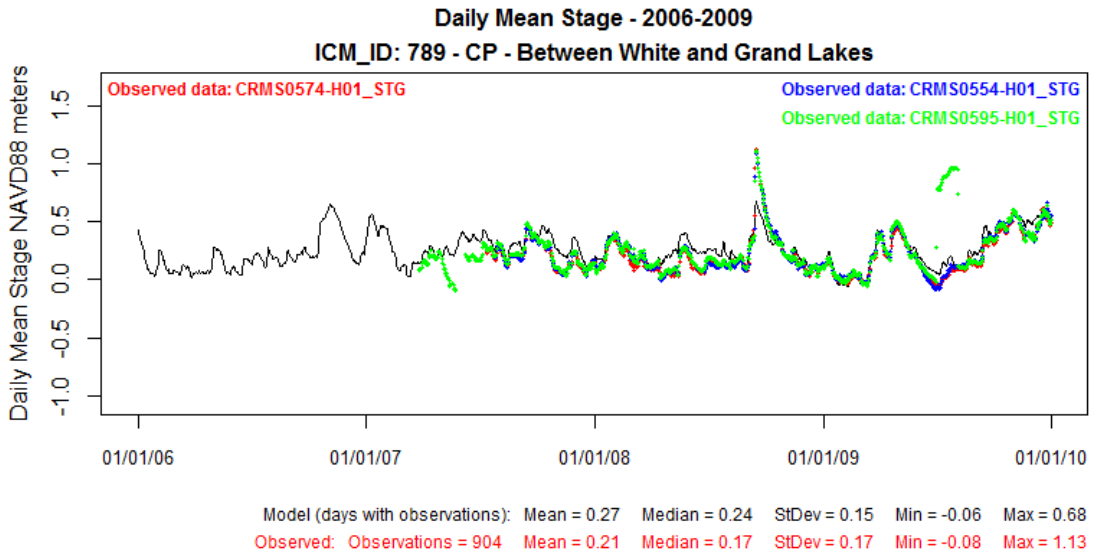


**Figure 358: Modeled Stage at ICM Compartment 789 (solid black line) Compared to Observed Data at CRMS0574-H01 for Validation Period 2006-2009.**

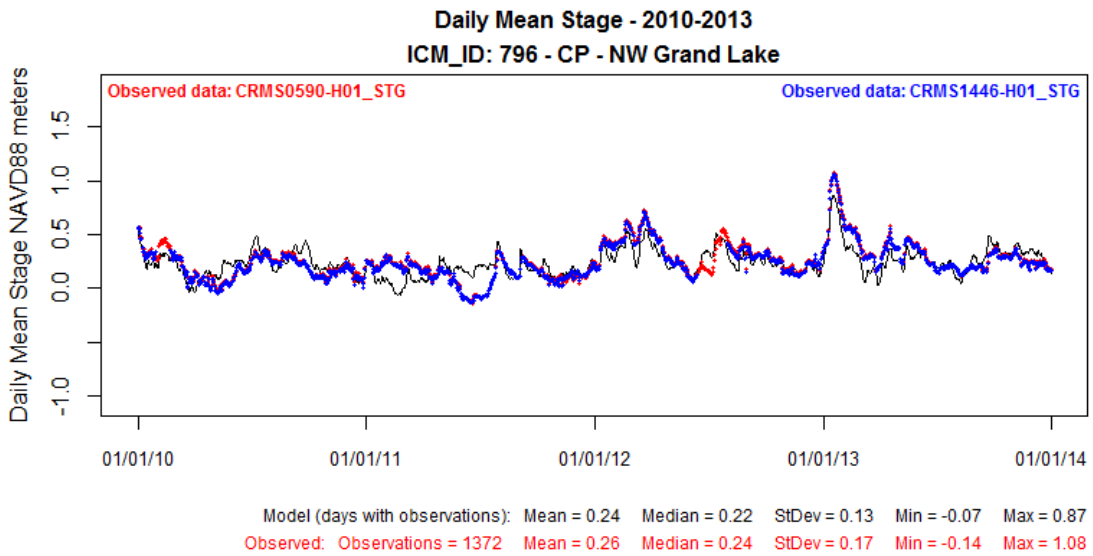


**Figure 359: Modeled Stage at ICM Compartment 796 (solid black line) Compared to Observed Data at CRMS0590-H01 for Calibration Period 2010-2013.**

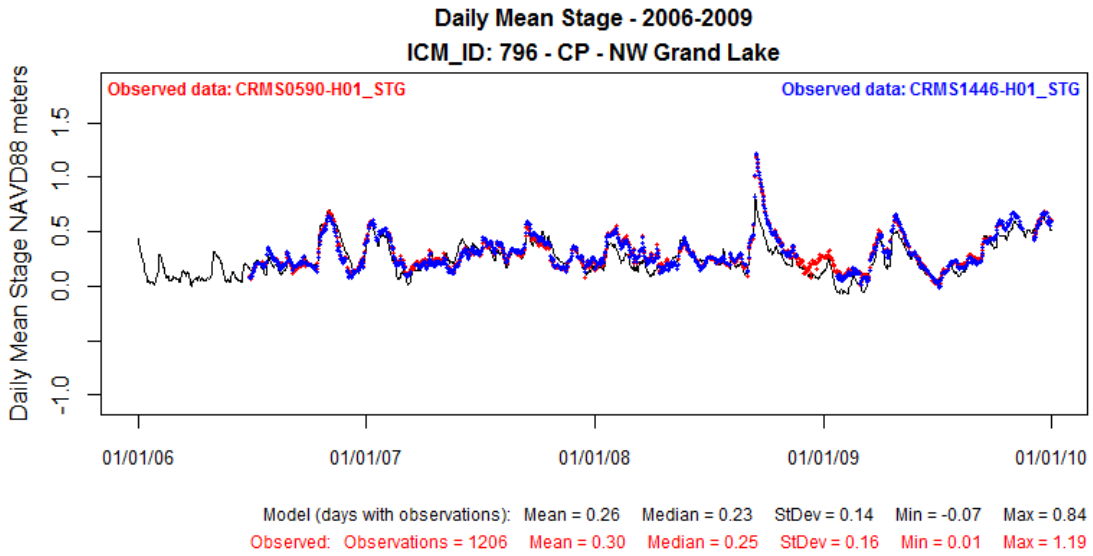


**Figure 360: Modeled Stage at ICM Compartment 796 (solid black line) Compared to Observed Data at CRMS0590-H01 for Validation Period 2006-2009.**

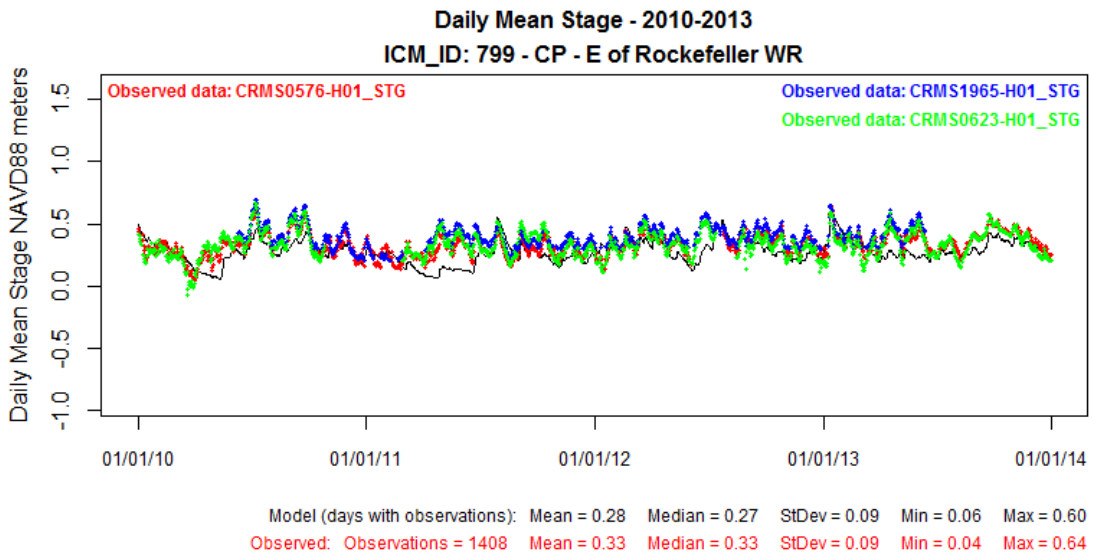


**Figure 361: Modeled Stage at ICM Compartment 799 (solid black line) Compared to Observed Data at CRMS0576-H01 for Calibration Period 2010-2013.**

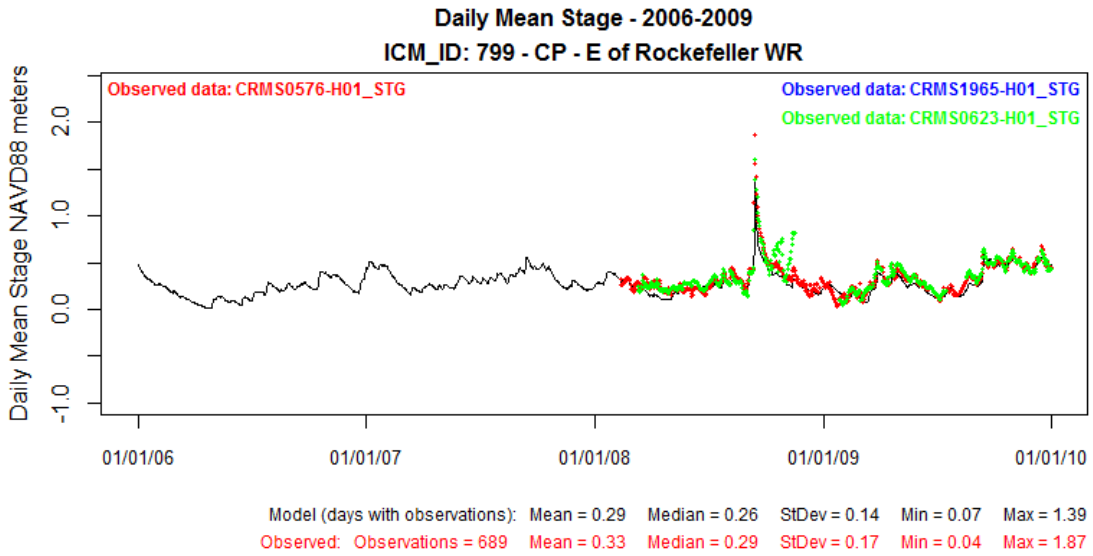


**Figure 362: Modeled Stage at ICM Compartment 799 (solid black line) Compared to Observed Data at CRMS0576-H01 for Validation Period 2006-2009.**

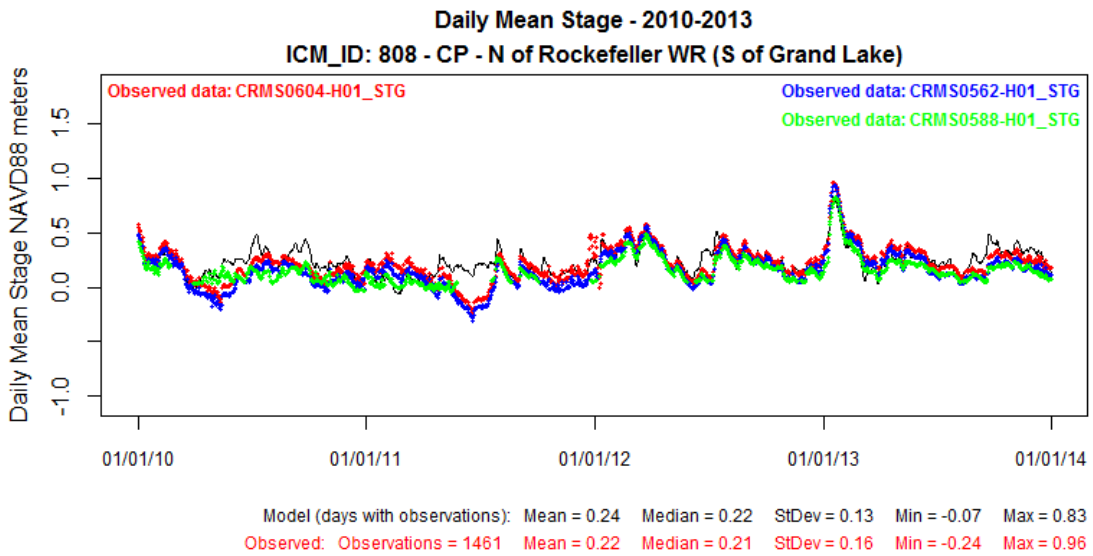


**Figure 363: Modeled Stage at ICM Compartment 808 (solid black line) Compared to Observed Data at CRMS0604-H01 for Calibration Period 2010-2013.**

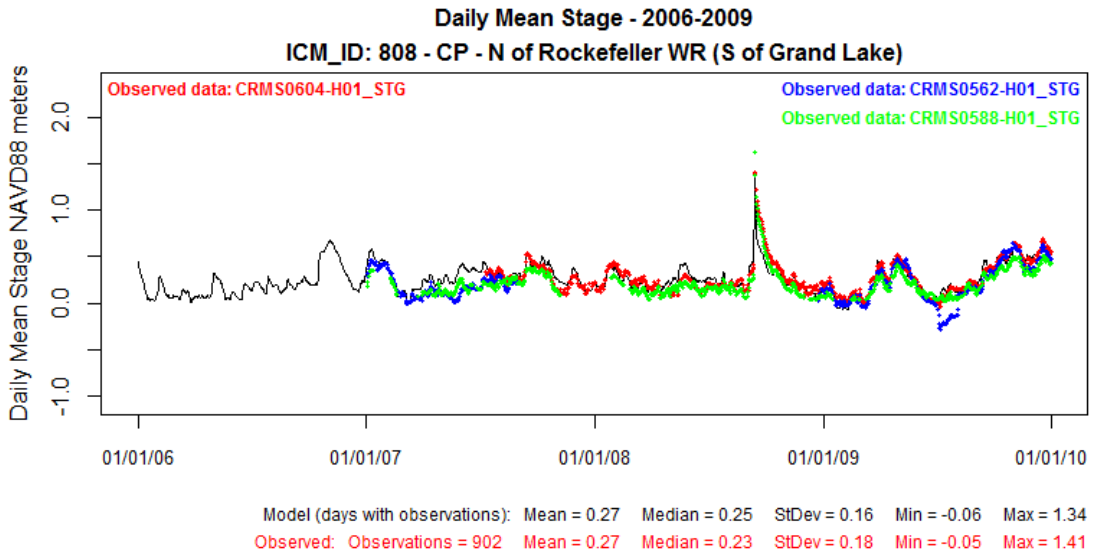


**Figure 364: Modeled Stage at ICM Compartment 808 (solid black line) Compared to Observed Data at CRMS0604-H01 for Validation Period 2006-2009.**

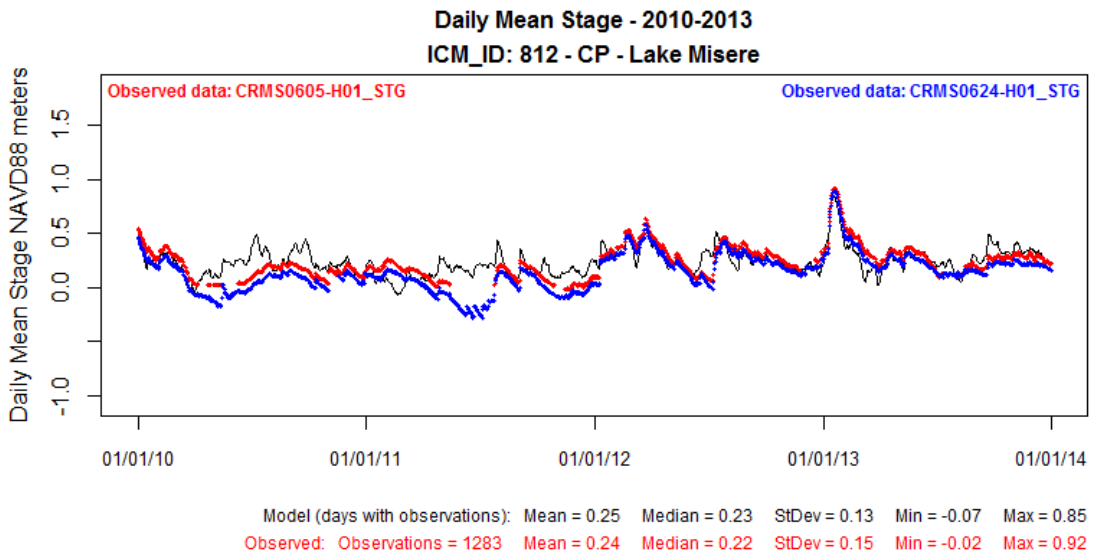


**Figure 365: Modeled Stage at ICM Compartment 812 (solid black line) Compared to Observed Data at CRMS0605-H01 for Calibration Period 2010-2013.**

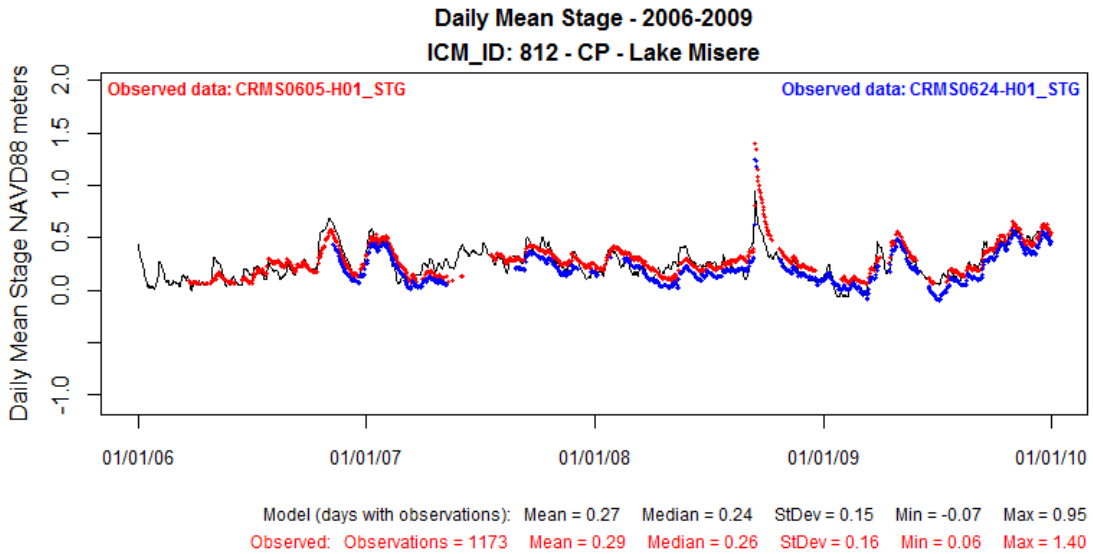


**Figure 366: Modeled Stage at ICM Compartment 812 (solid black line) Compared to Observed Data at CRMS0605-H01 for Validation Period 2006-2009.**

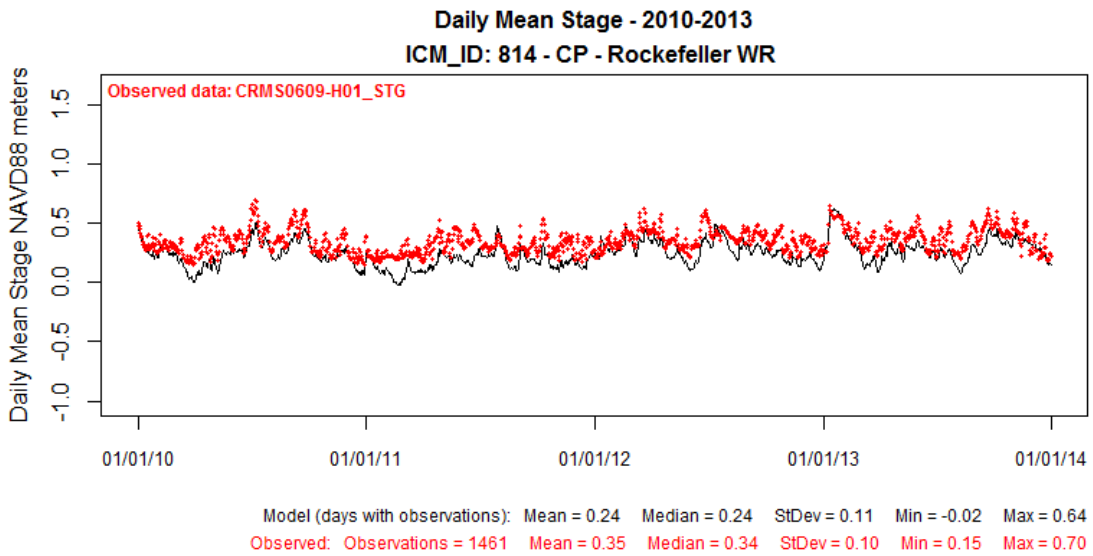


**Figure 367: Modeled Stage at ICM Compartment 814 (solid black line) Compared to Observed Data at CRMS0609-H01 for Calibration Period 2010-2013.**

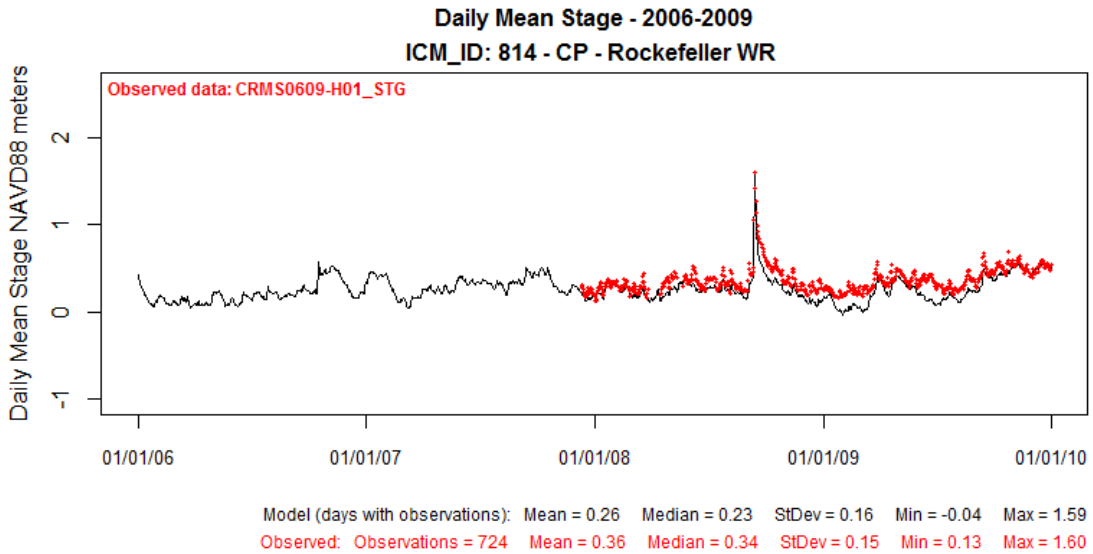


**Figure 368: Modeled Stage at ICM Compartment 814 (solid black line) Compared to Observed Data at CRMS0609-H01 for Validation Period 2006-2009.**

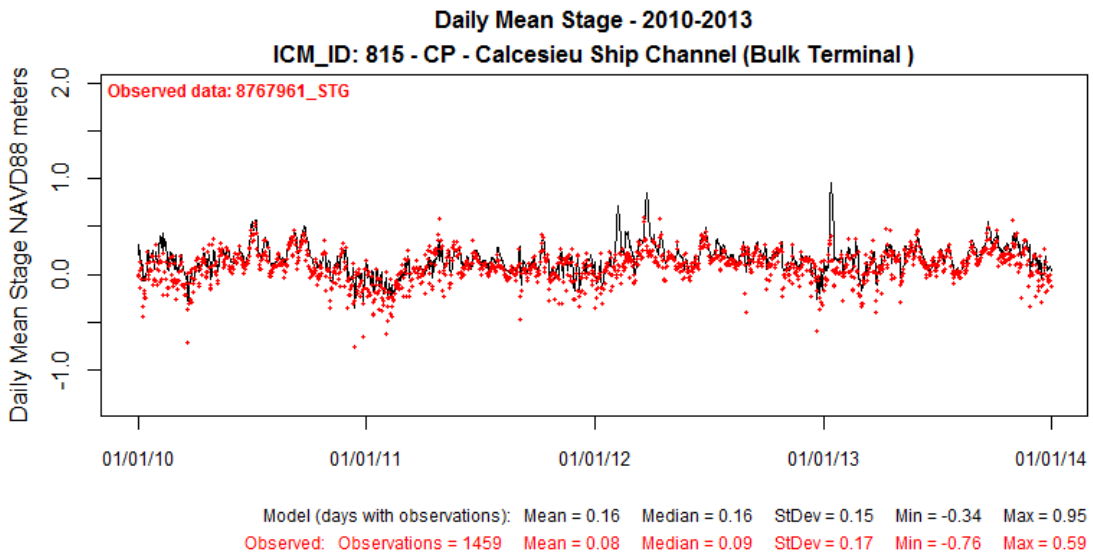


**Figure 369: Modeled Stage at ICM Compartment 815 (solid black line) Compared to Observed Data at USGS8767961 for Calibration Period 2010-2013.**

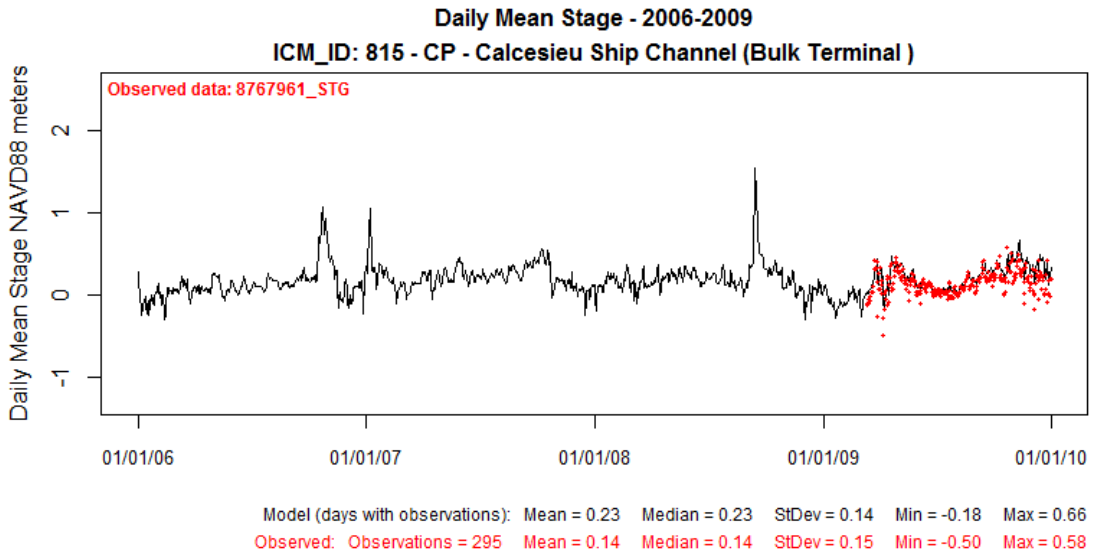


**Figure 370: Modeled Stage at ICM Compartment 815 (solid black line) Compared to Observed Data at USGS8767961 for Validation Period 2006-2009.**

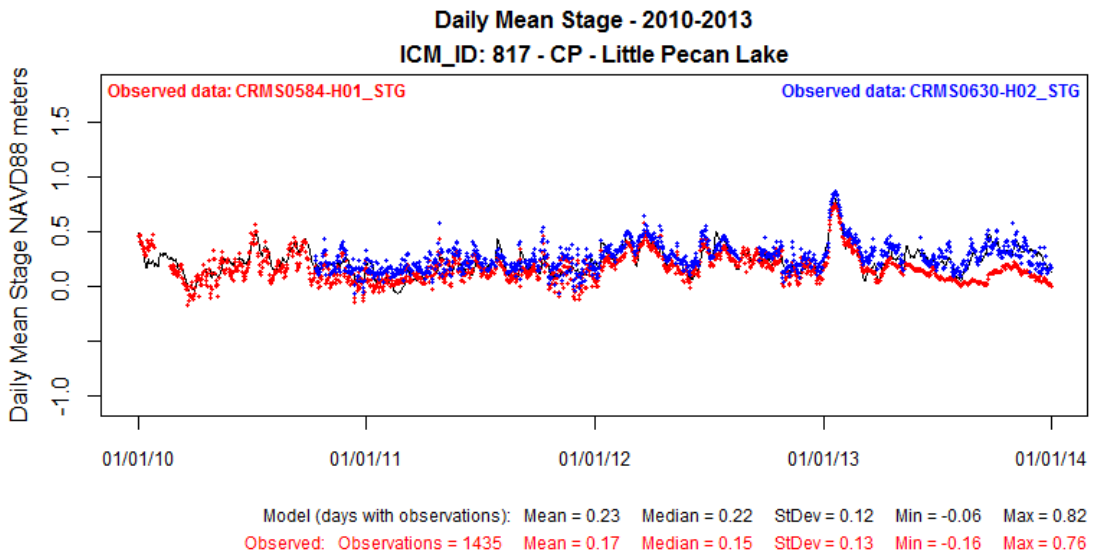


**Figure 371: Modeled Stage at ICM Compartment 817 (solid black line) Compared to Observed Data at CRMS0584-H01 for Calibration Period 2010-2013.**

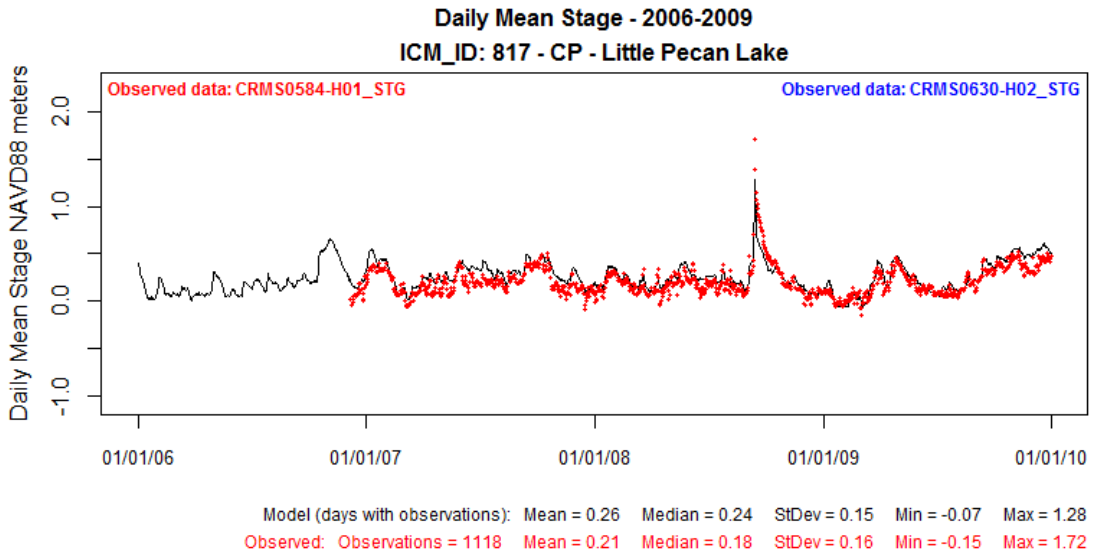


**Figure 372: Modeled Stage at ICM Compartment 817 (solid black line) Compared to Observed Data at CRMS0584-H01 for Validation Period 2006-2009.**

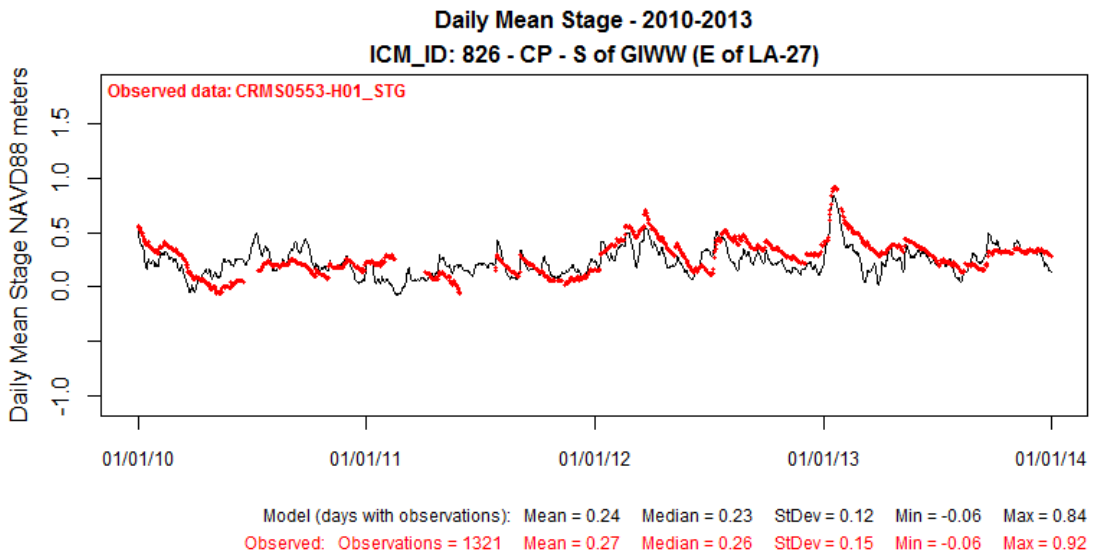


**Figure 373: Modeled Stage at ICM Compartment 826 (solid black line) Compared to Observed Data at CRMS0553-H01 for Calibration Period 2010-2013.**

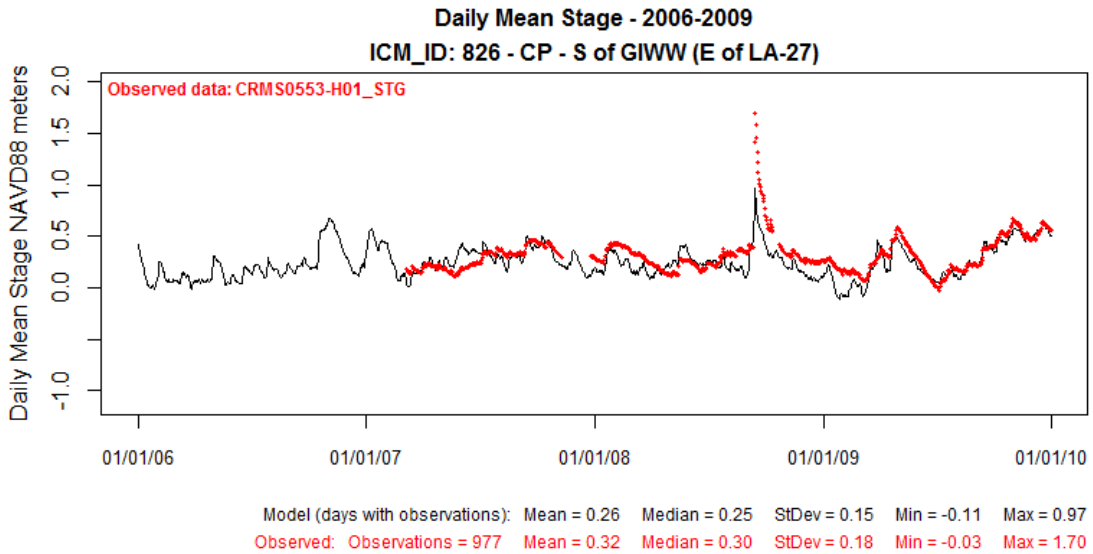


**Figure 374: Modeled Stage at ICM Compartment 826 (solid black line) Compared to Observed Data at CRMS0553-H01 for Validation Period 2006-2009.**

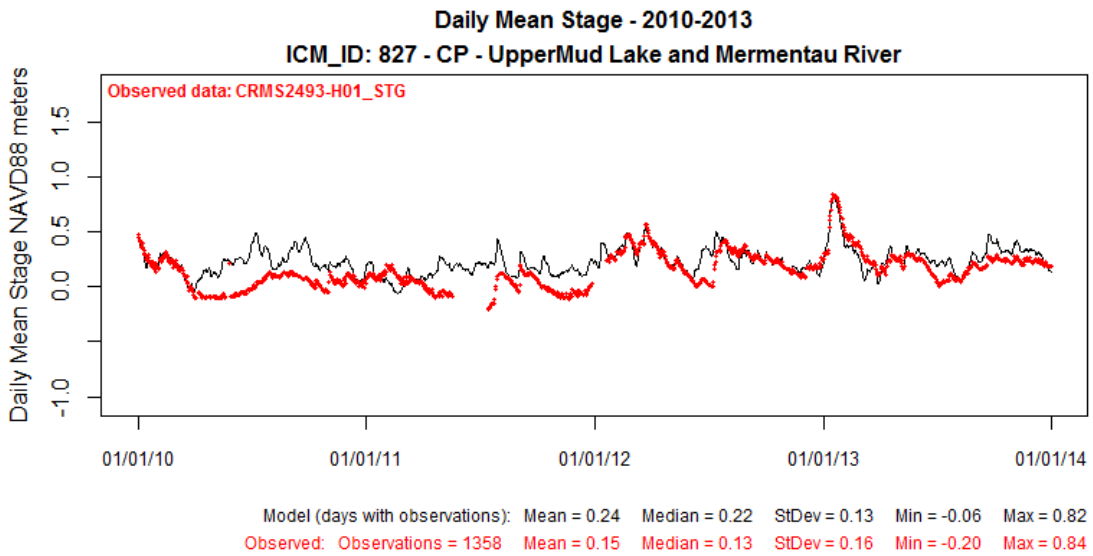


**Figure 375: Modeled Stage at ICM Compartment 827 (solid black line) Compared to Observed Data at CRMS2493-H01 for Calibration Period 2010-2013.**

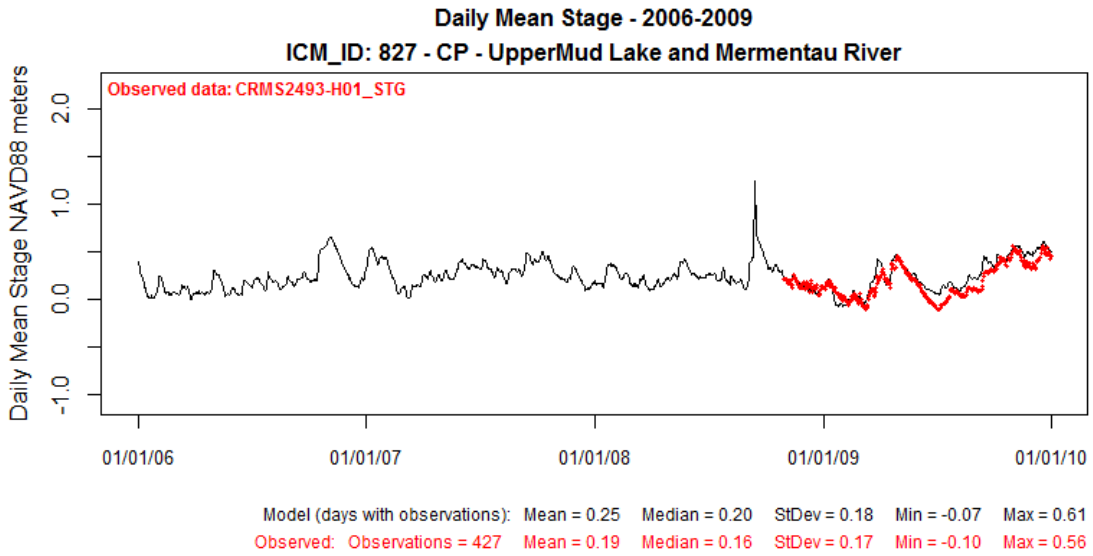


**Figure 376: Modeled Stage at ICM Compartment 827 (solid black line) Compared to Observed Data at CRMS2493-H01 for Validation Period 2006-2009.**

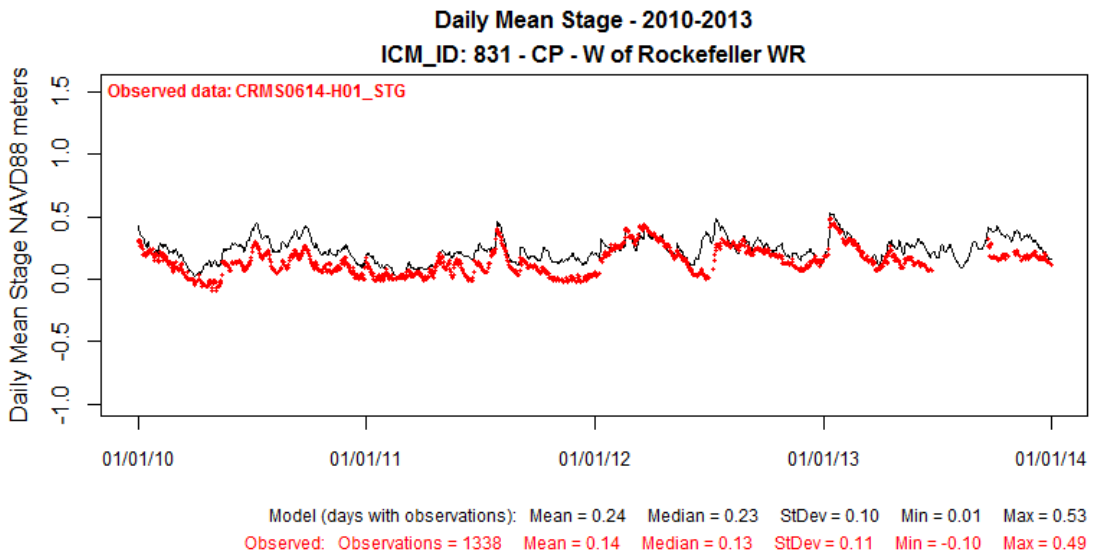


**Figure 377: Modeled Stage at ICM Compartment 831 (solid black line) Compared to Observed Data at CRMS0614-H01 for Calibration Period 2010-2013.**

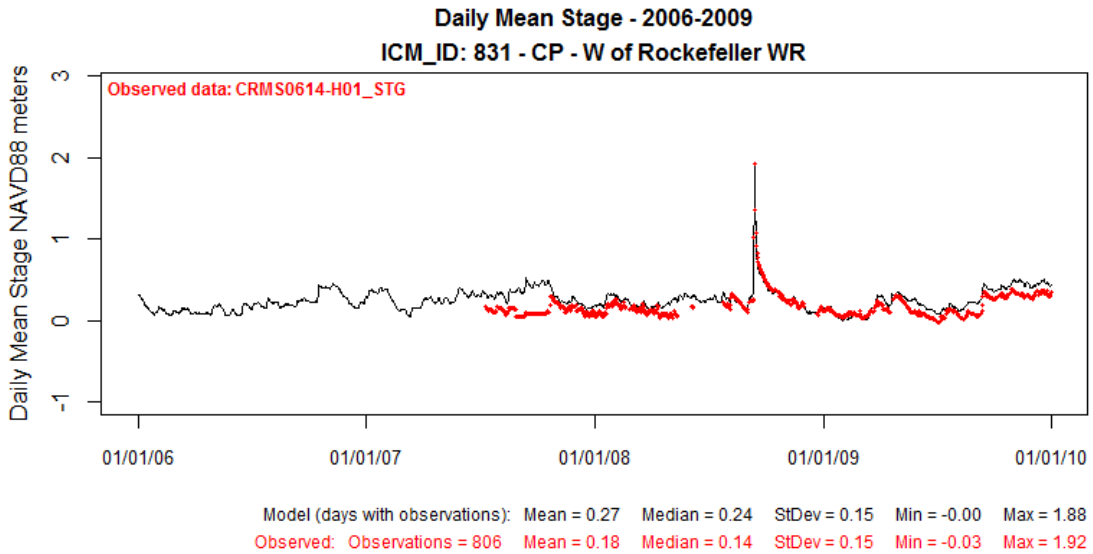


**Figure 378: Modeled Stage at ICM Compartment 831 (solid black line) Compared to Observed Data at CRMS0614-H01 for Validation Period 2006-2009.**

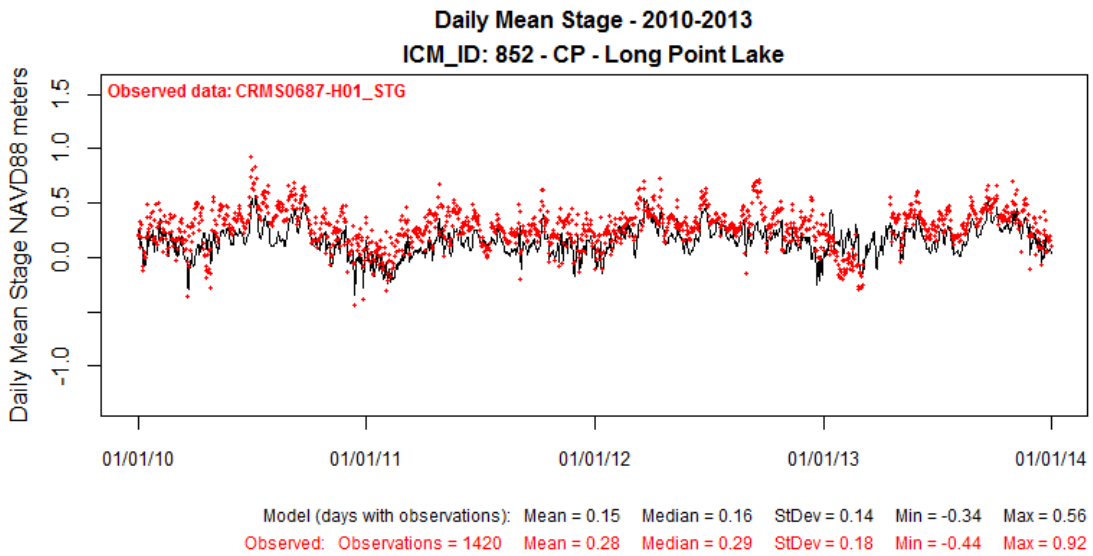


**Figure 379: Modeled Stage at ICM Compartment 852 (solid black line) Compared to Observed Data at CRMS0687-H01 for Calibration Period 2010-2013.**

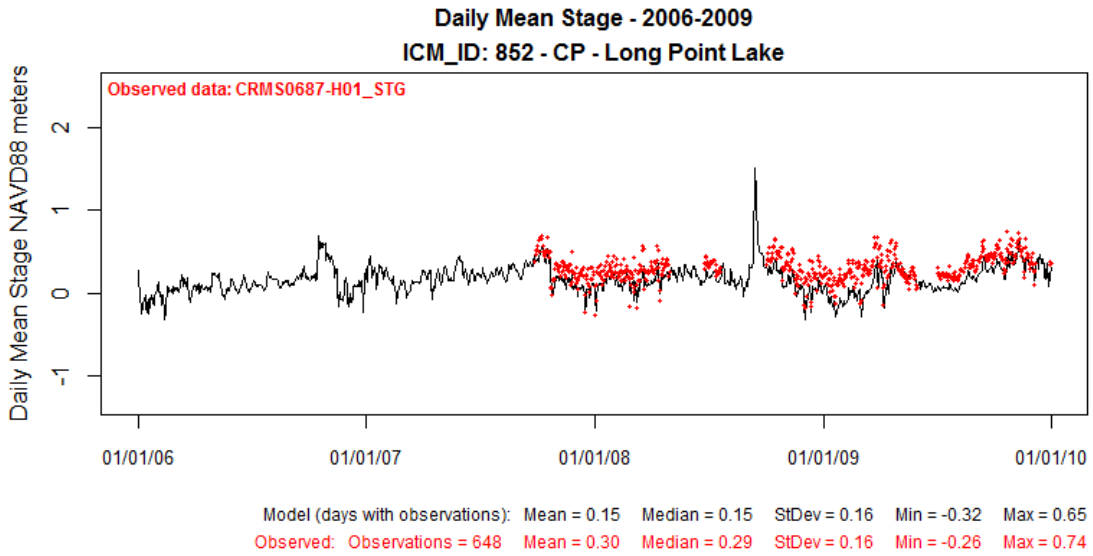


**Figure 380: Modeled Stage at ICM Compartment 852 (solid black line) Compared to Observed Data at CRMS0687-H01 for Validation Period 2006-2009.**

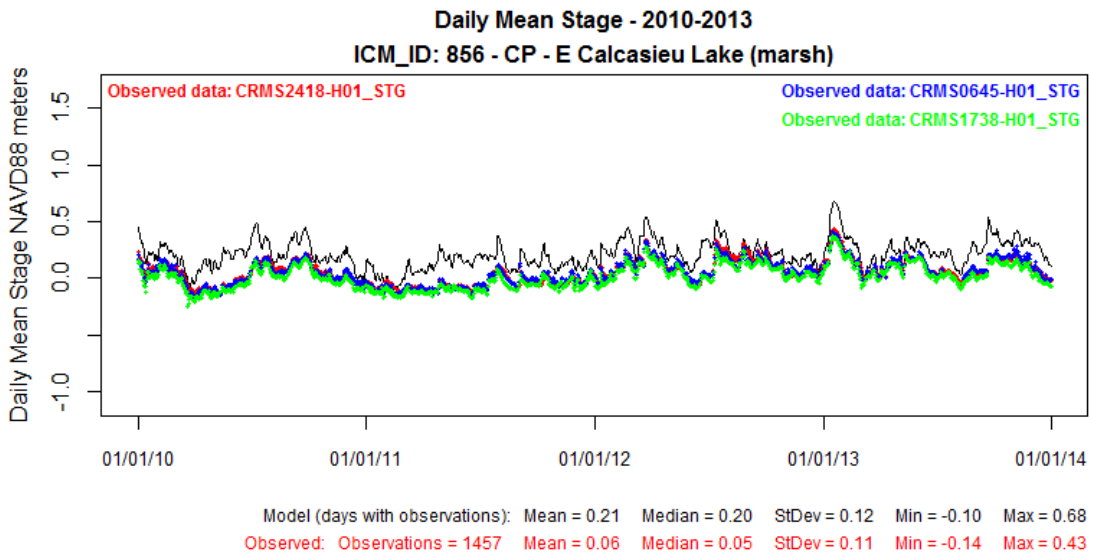


**Figure 381: Modeled Stage at ICM Compartment 856 (solid black line) Compared to Observed Data at CRMS2418-H01 for Calibration Period 2010-2013.**

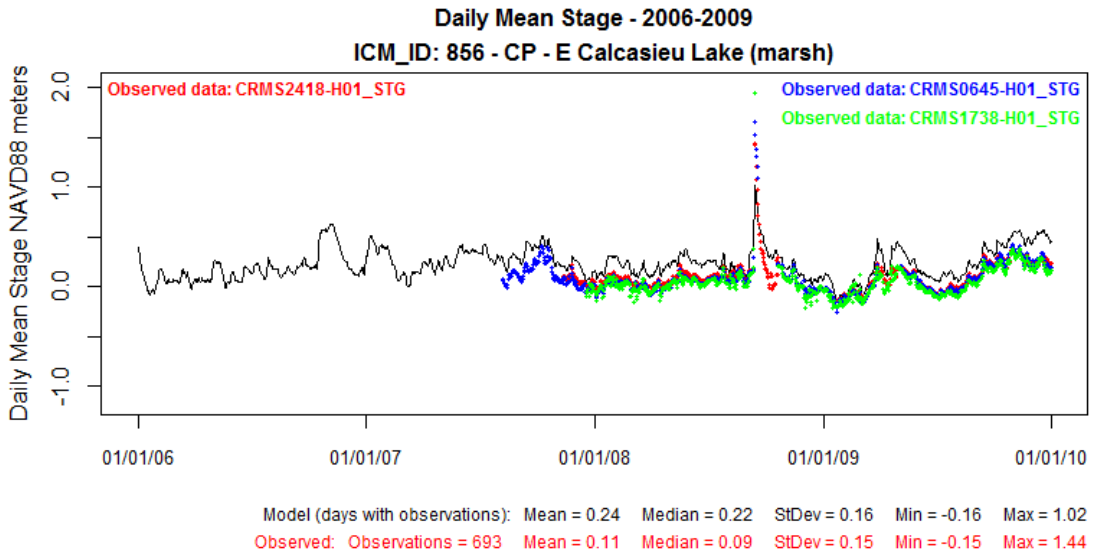


**Figure 382: Modeled Stage at ICM Compartment 856 (solid black line) Compared to Observed Data at CRMS2418-H01 for Validation Period 2006-2009.**

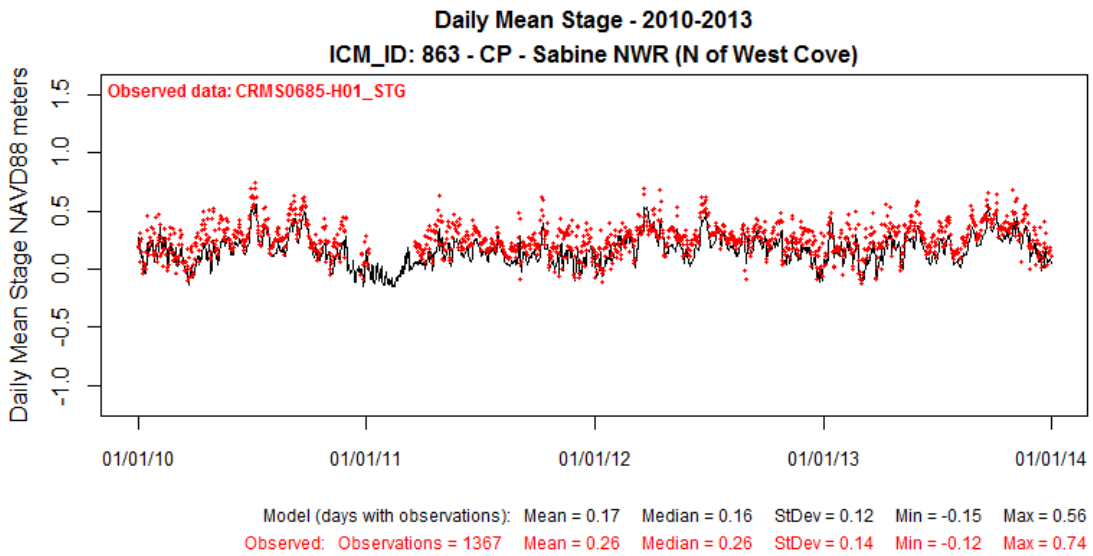


**Figure 383: Modeled Stage at ICM Compartment 863 (solid black line) Compared to Observed Data at CRMS0685-H01 for Calibration Period 2010-2013.**

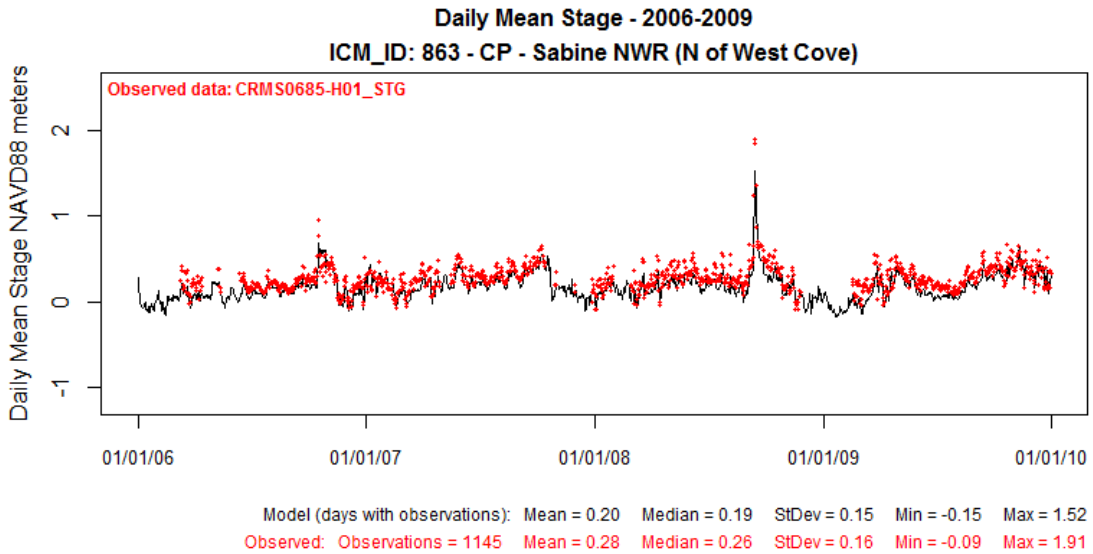


**Figure 384: Modeled Stage at ICM Compartment 863 (solid black line) Compared to Observed Data at CRMS0685-H01 for Validation Period 2006-2009.**

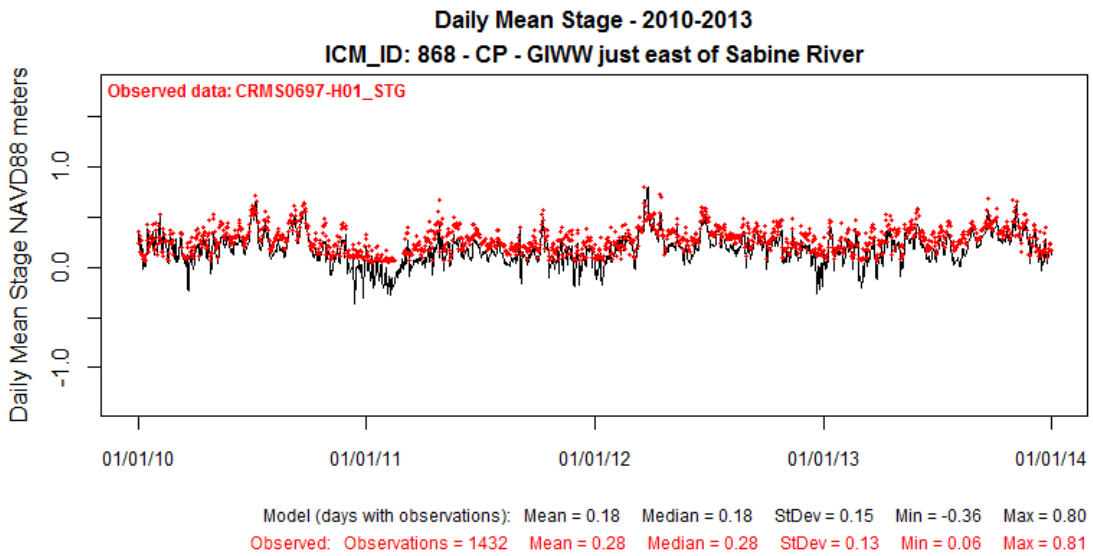


**Figure 385: Modeled Stage at ICM Compartment 868 (solid black line) Compared to Observed Data at CRMS0697-H01 for Calibration Period 2010-2013.**

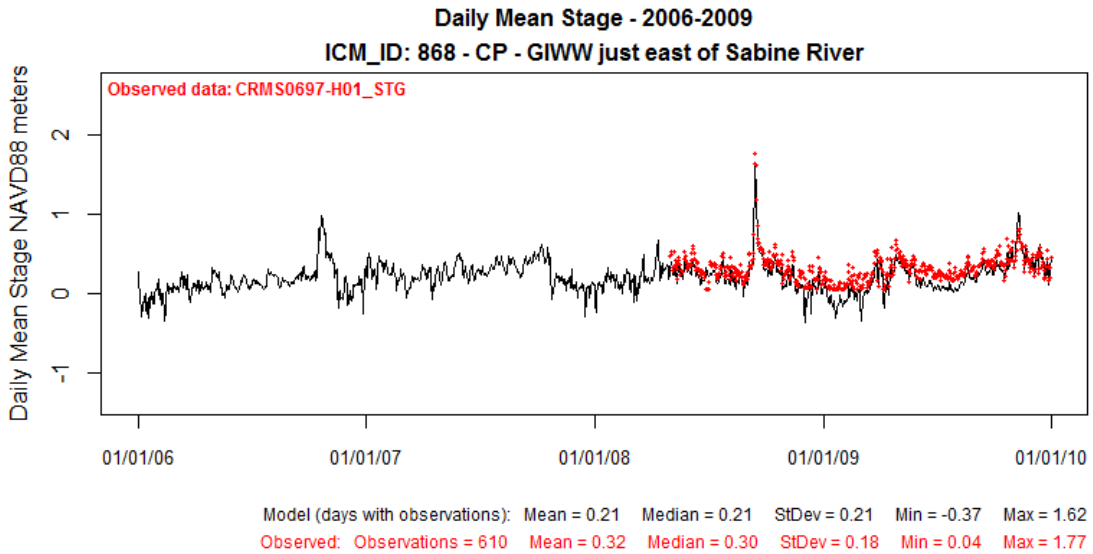


**Figure 386: Modeled Stage at ICM Compartment 868 (solid black line) Compared to Observed Data at CRMS0697-H01 for Validation Period 2006-2009.**

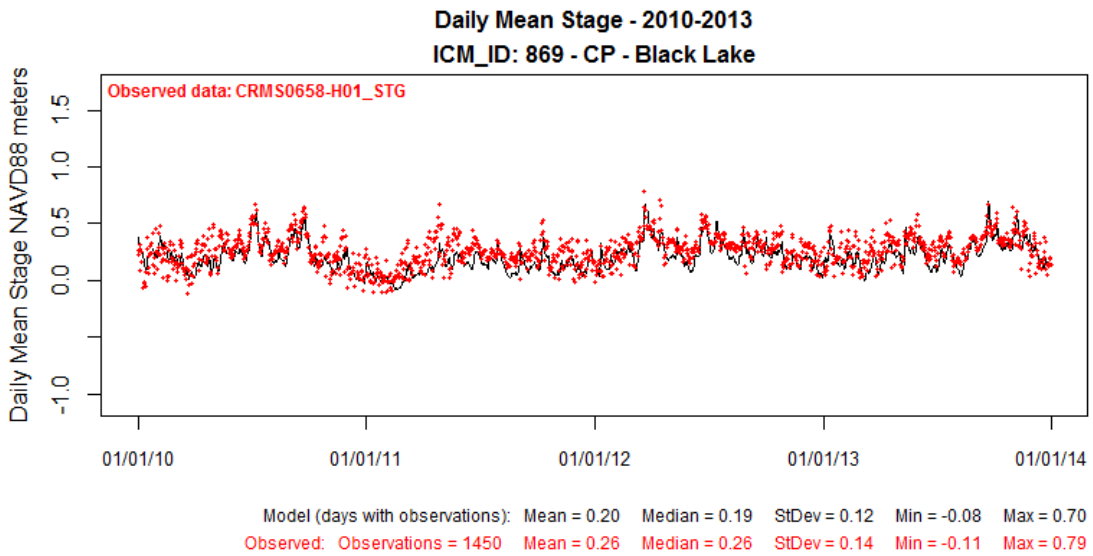


**Figure 387: Modeled Stage at ICM Compartment 869 (solid black line) Compared to Observed Data at CRMS0658-H01 for Calibration Period 2010-2013.**

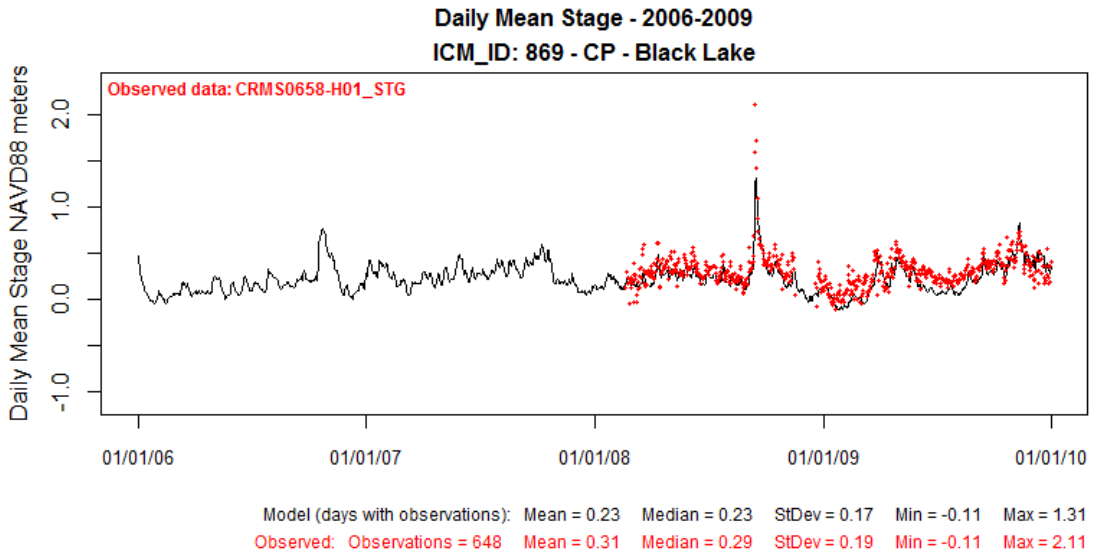


**Figure 388: Modeled Stage at ICM Compartment 869 (solid black line) Compared to Observed Data at CRMS0658-H01 for Validation Period 2006-2009.**

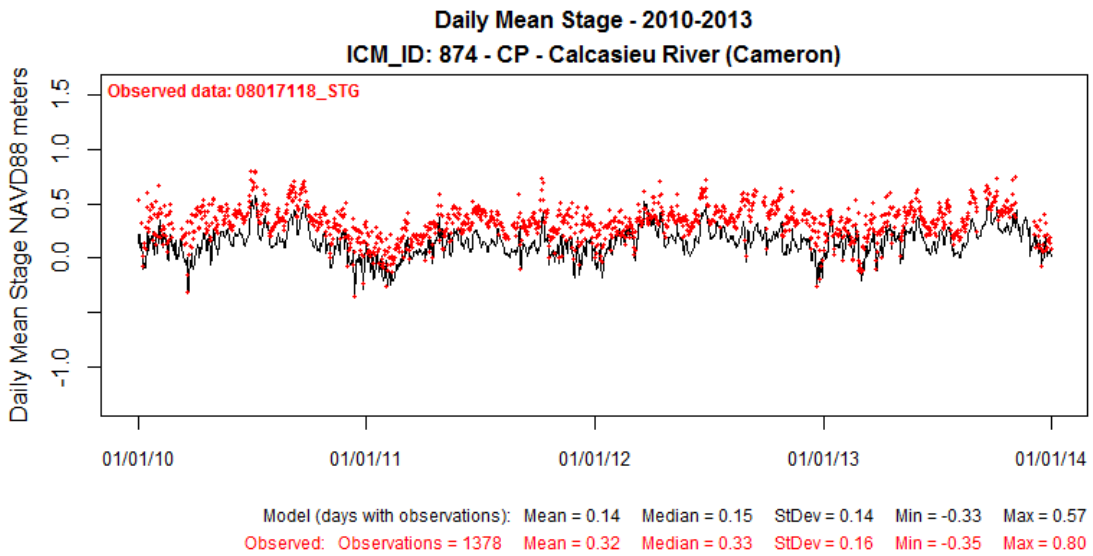


**Figure 389: Modeled Stage at ICM Compartment 874 (solid black line) Compared to Observed Data at USGS08017118 for Calibration Period 2010-2013.**

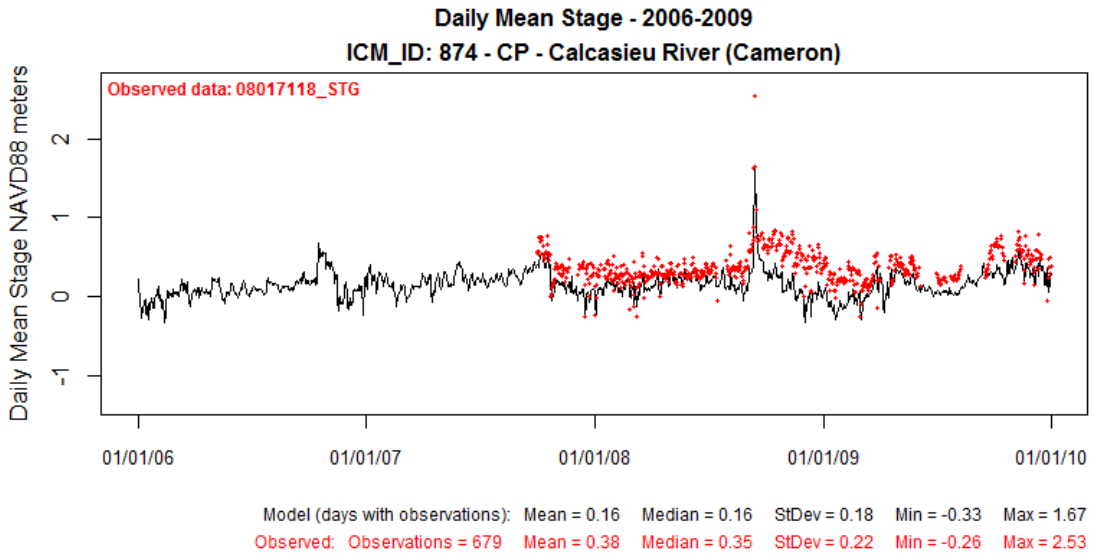


**Figure 390: Modeled Stage at ICM Compartment 874 (solid black line) Compared to Observed Data at USGS08017118 for Validation Period 2006-2009.**

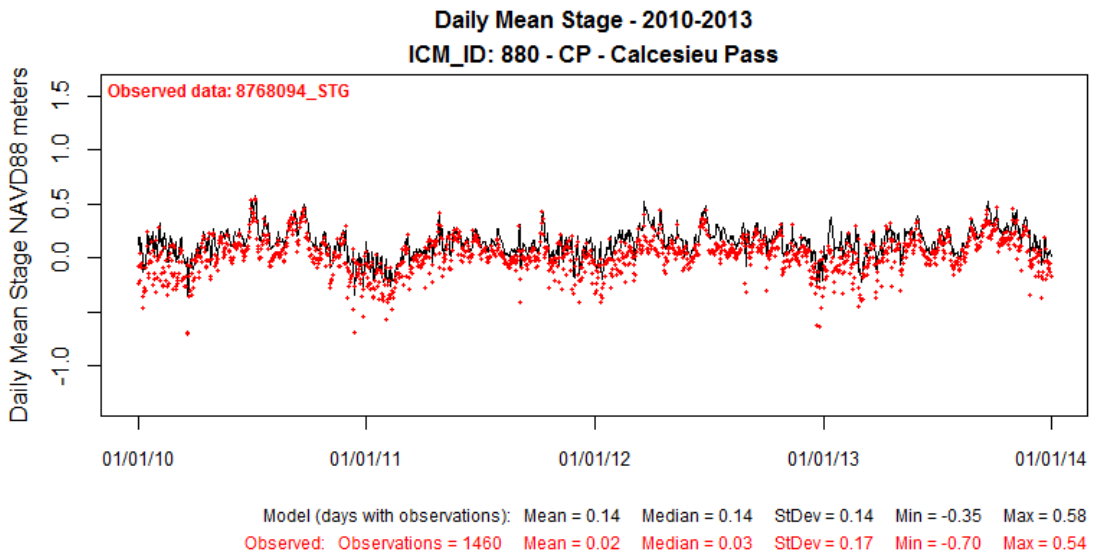


**Figure 391: Modeled Stage at ICM Compartment 880 (solid black line) Compared to Observed Data at USGS8768094 for Calibration Period 2010-2013.**

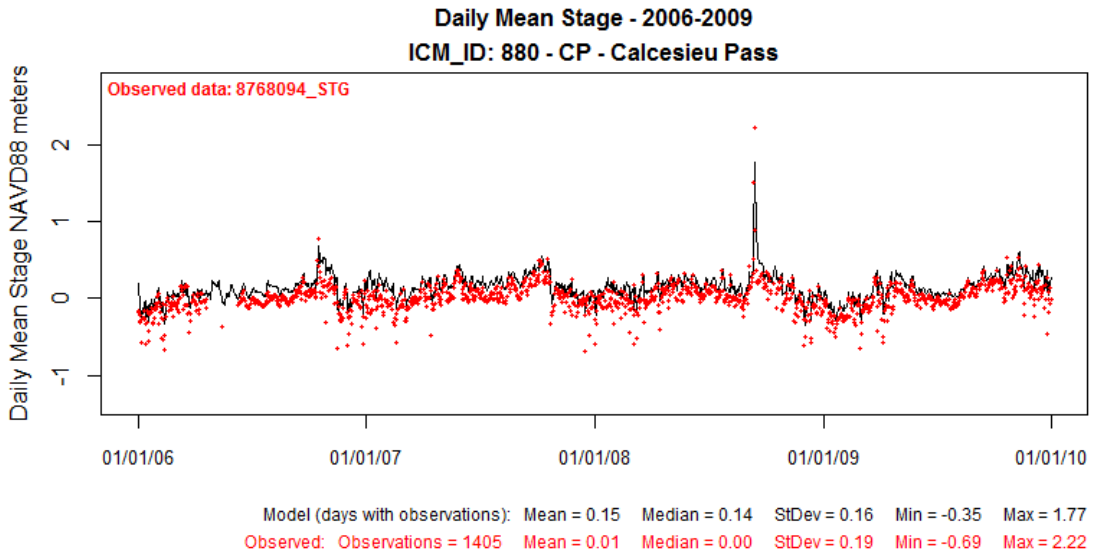


**Figure 392: Modeled Stage at ICM Compartment 880 (solid black line) Compared to Observed Data at USGS8768094 for Validation Period 2006-2009.**

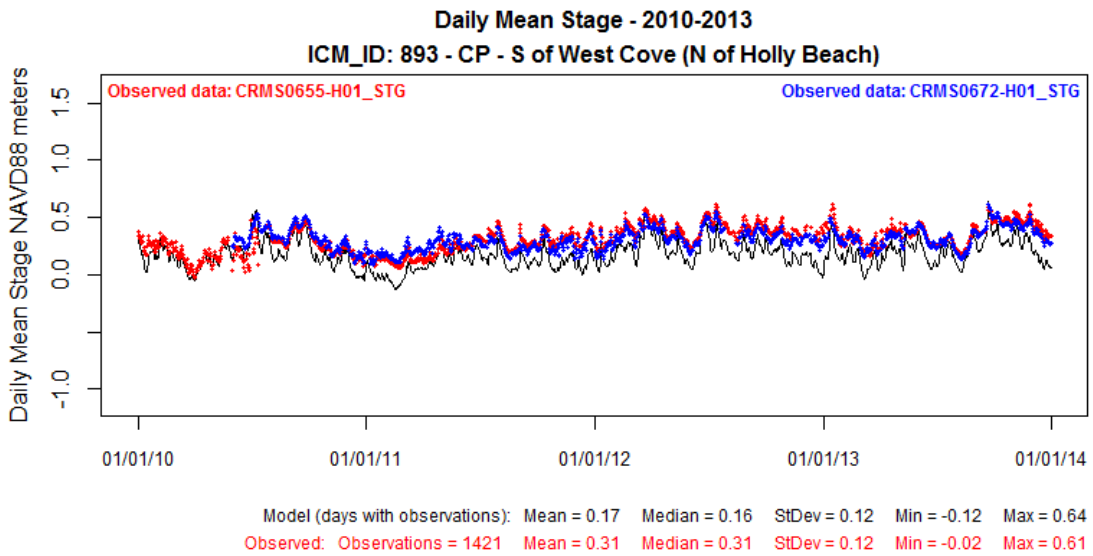


**Figure 393: Modeled Stage at ICM Compartment 893 (solid black line) Compared to Observed Data at CRMS0655-H01 for Calibration Period 2010-2013.**

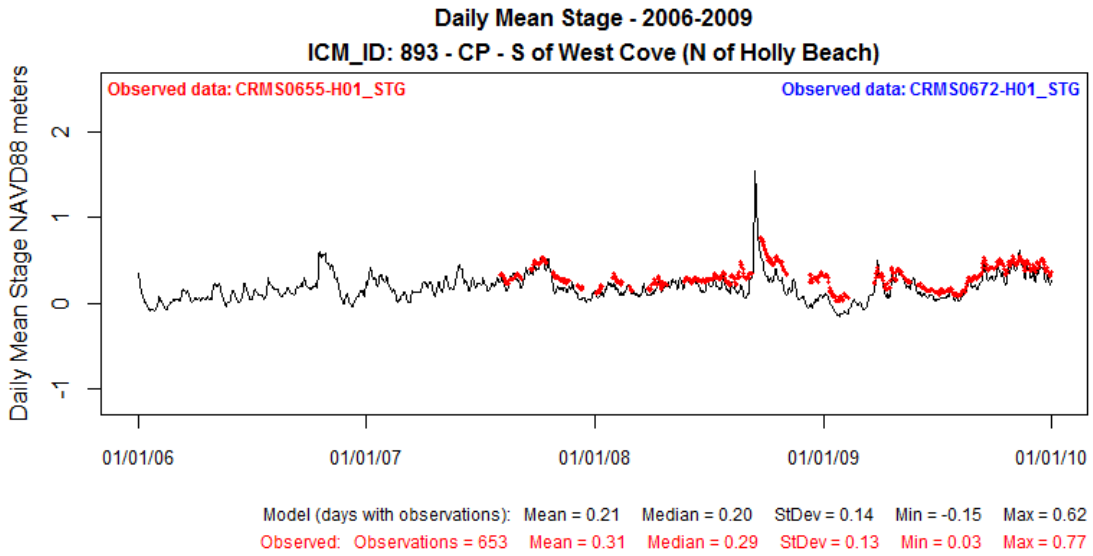


**Figure 394: Modeled Stage at ICM Compartment 893 (solid black line) Compared to Observed Data at CRMS0655-H01 for Validation Period 2006-2009.**

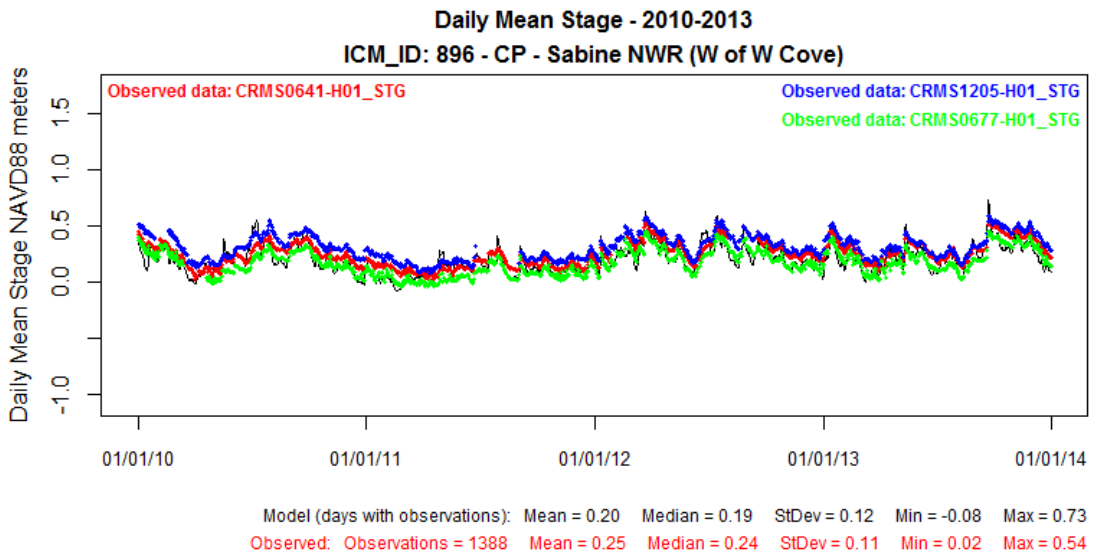


**Figure 395: Modeled Stage at ICM Compartment 896 (solid black line) Compared to Observed Data at CRMS0641-H01 for Calibration Period 2010-2013.**

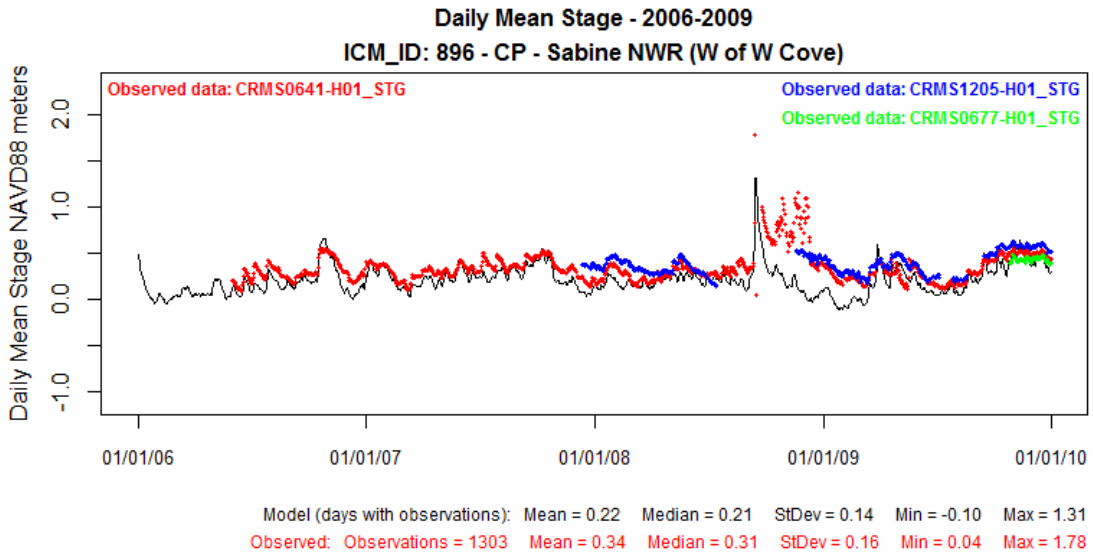


**Figure 396: Modeled Stage at ICM Compartment 896 (solid black line) Compared to Observed Data at CRMS0641-H01 for Validation Period 2006-2009.**

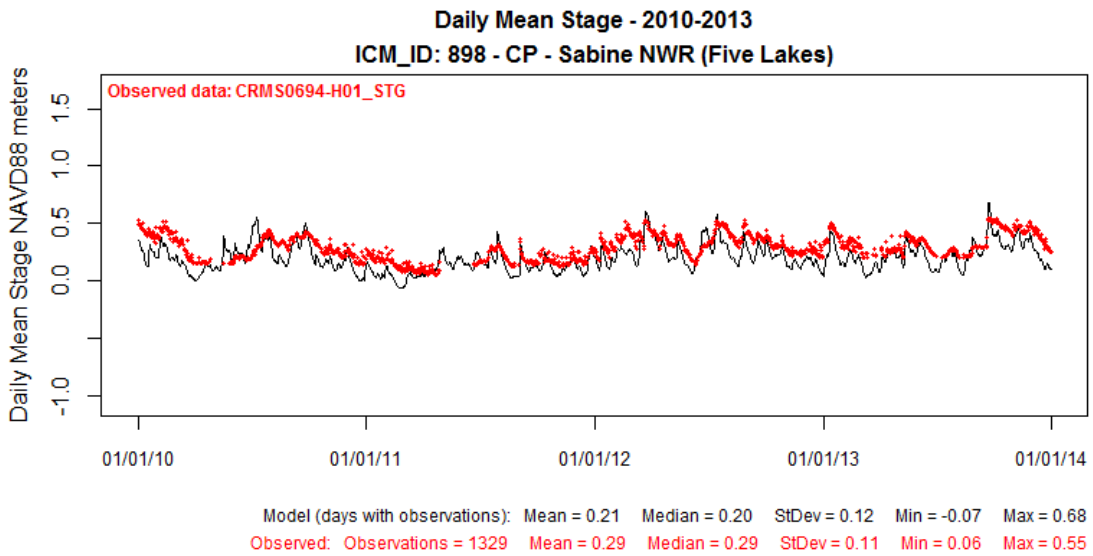


**Figure 397: Modeled Stage at ICM Compartment 898 (solid black line) Compared to Observed Data at CRMS0694-H01 for Calibration Period 2010-2013.**

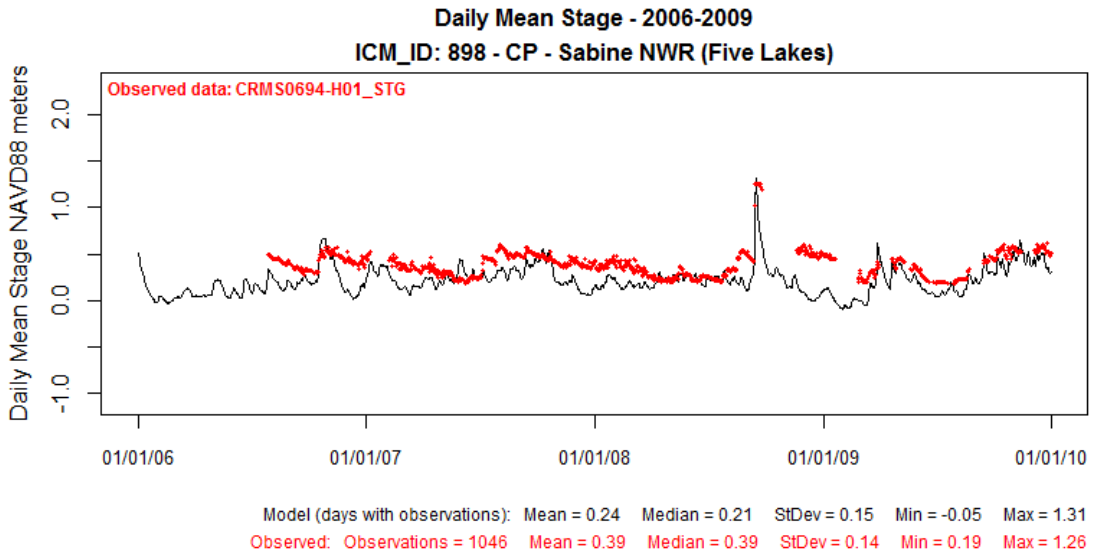


**Figure 398: Modeled Stage at ICM Compartment 898 (solid black line) Compared to Observed Data at CRMS0694-H01 for Validation Period 2006-2009.**

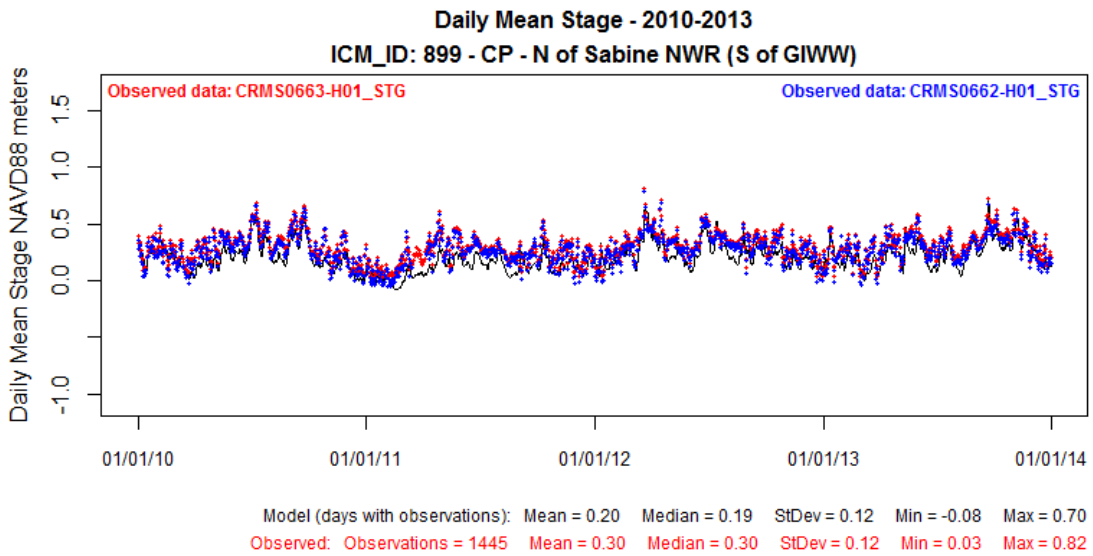


**Figure 399: Modeled Stage at ICM Compartment 899 (solid black line) Compared to Observed Data at CRMS0663-H01 for Calibration Period 2010-2013.**

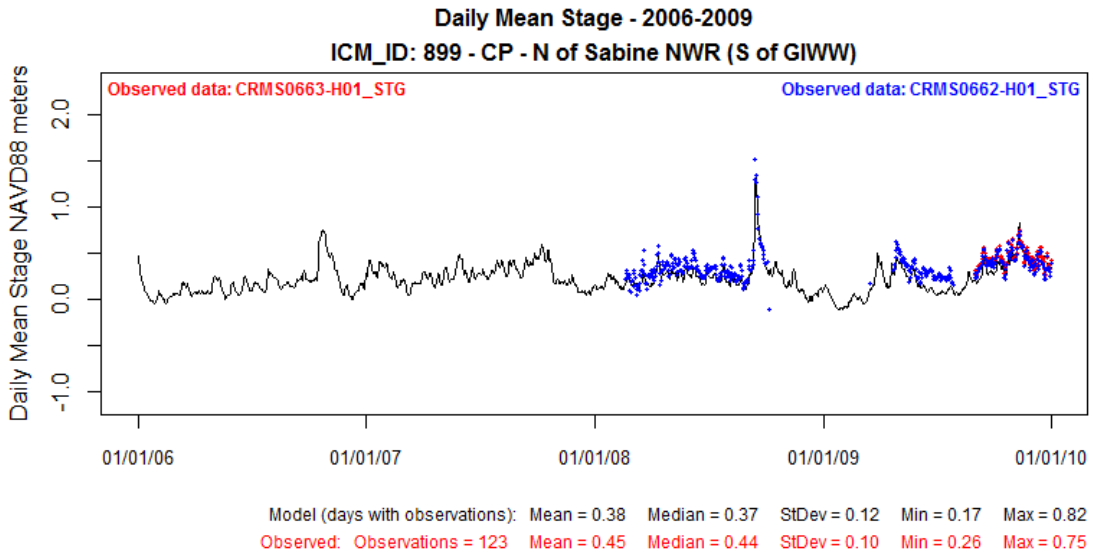


**Figure 400: Modeled Stage at ICM Compartment 899 (solid black line) Compared to Observed Data at CRMS0663-H01 for Validation Period 2006-2009.**

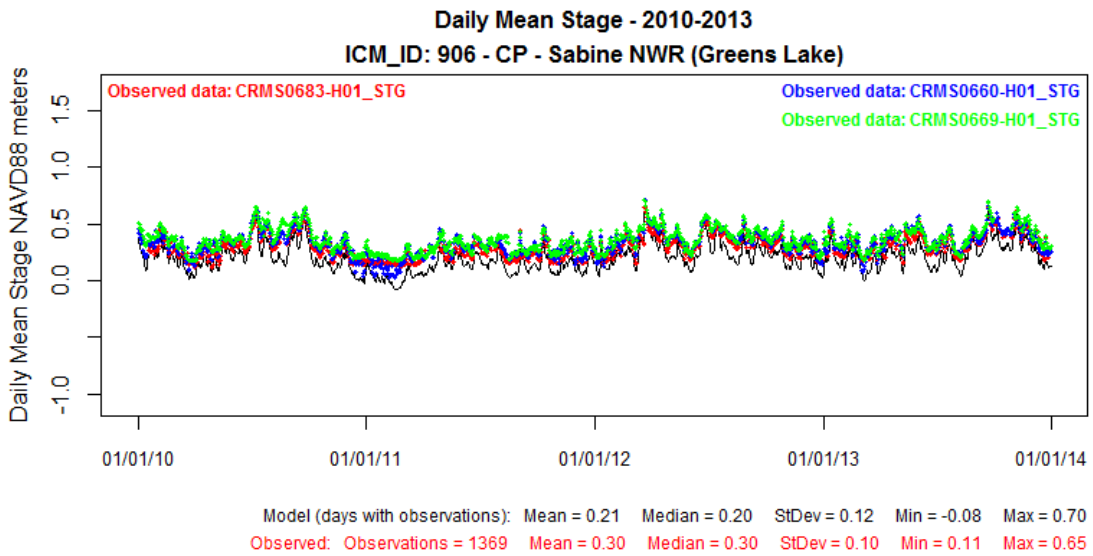


**Figure 401: Modeled Stage at ICM Compartment 906 (solid black line) Compared to Observed Data at CRMS0683-H01 for Calibration Period 2010-2013.**

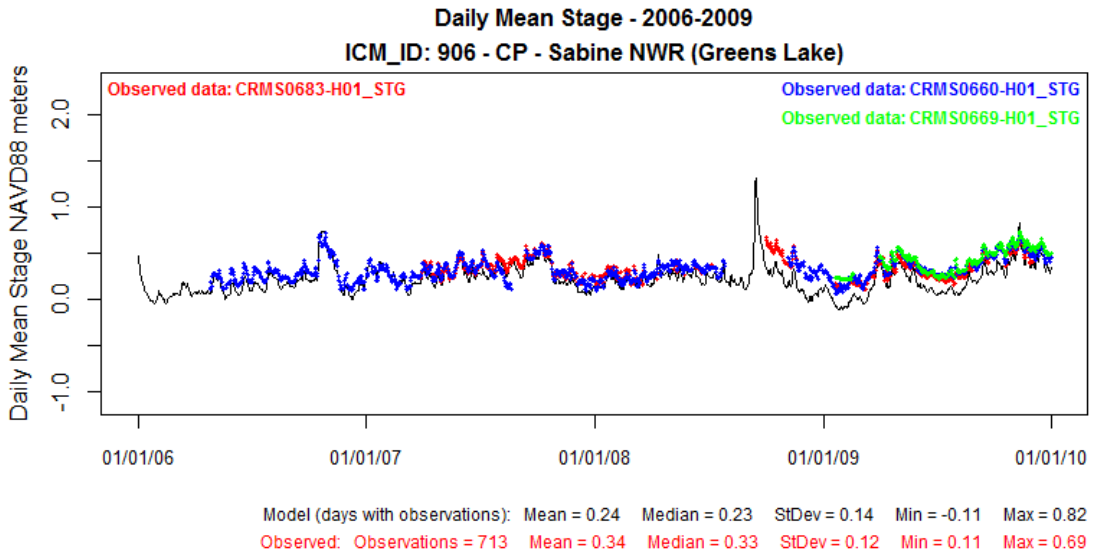


**Figure 402: Modeled Stage at ICM Compartment 906 (solid black line) Compared to Observed Data at CRMS0683-H01 for Validation Period 2006-2009.**

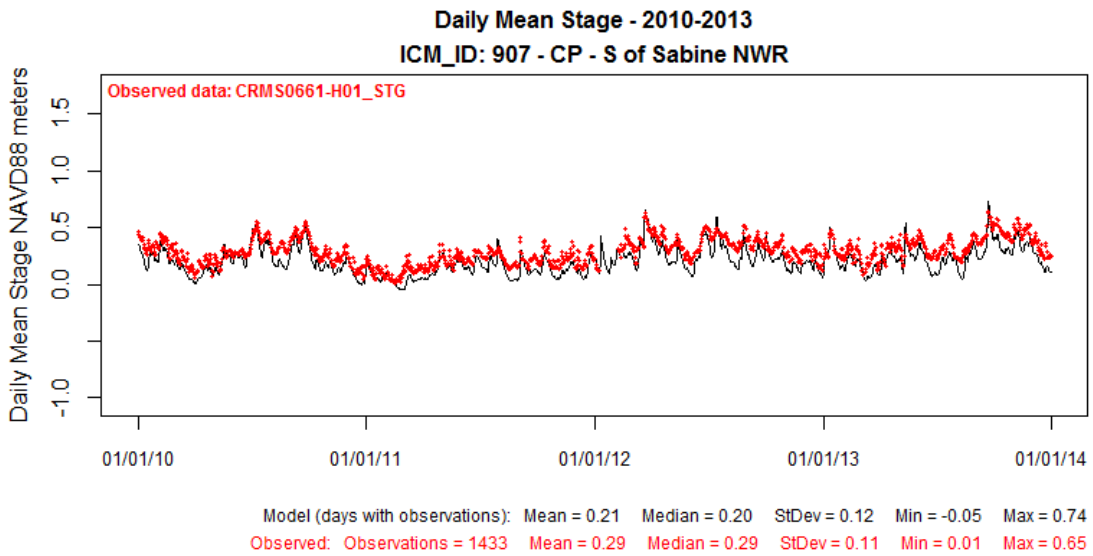


**Figure 403: Modeled Stage at ICM Compartment 907 (solid black line) Compared to Observed Data at CRMS0661-H01 for Calibration Period 2010-2013.**

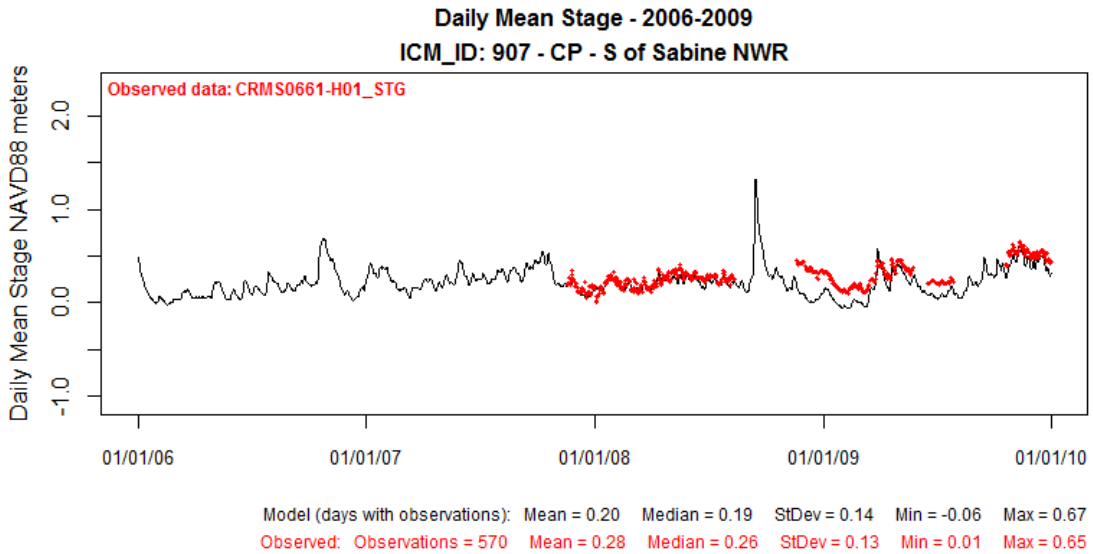


**Figure 404: Modeled Stage at ICM Compartment 907 (solid black line) Compared to Observed Data at CRMS0661-H01 for Validation Period 2006-2009.**

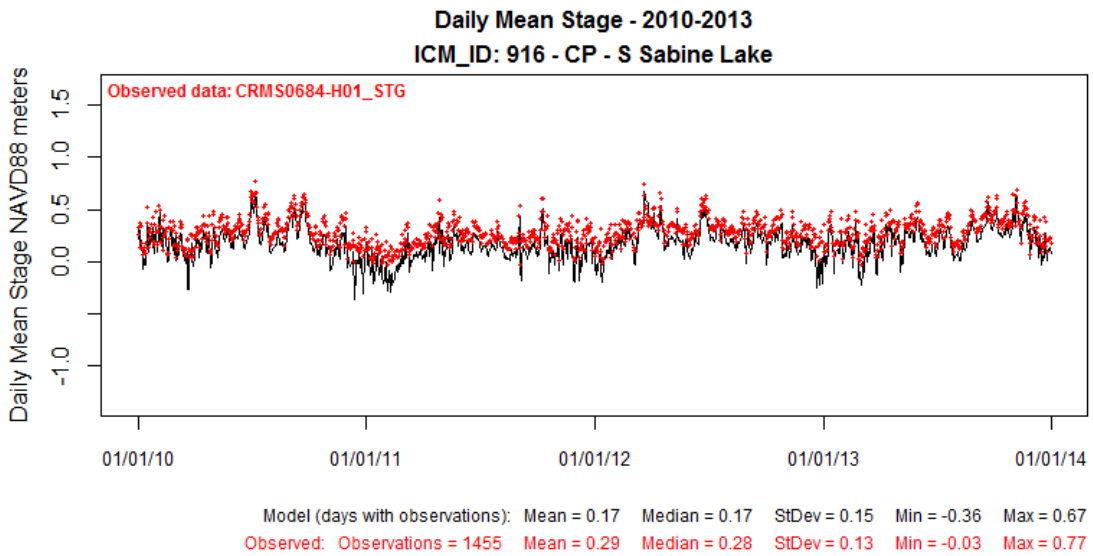


**Figure 405: Modeled Stage at ICM Compartment 916 (solid black line) Compared to Observed Data at CRMS0684-H01 for Calibration Period 2010-2013.**

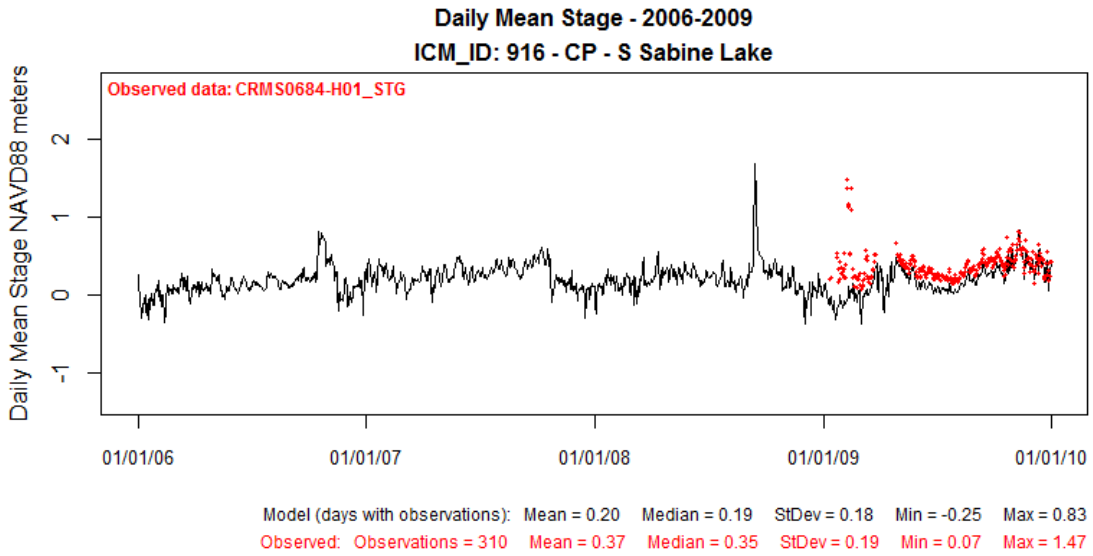


**Figure 406: Modeled Stage at ICM Compartment 916 (solid black line) Compared to Observed Data at CRMS0684-H01 for Validation Period 2006-2009.**

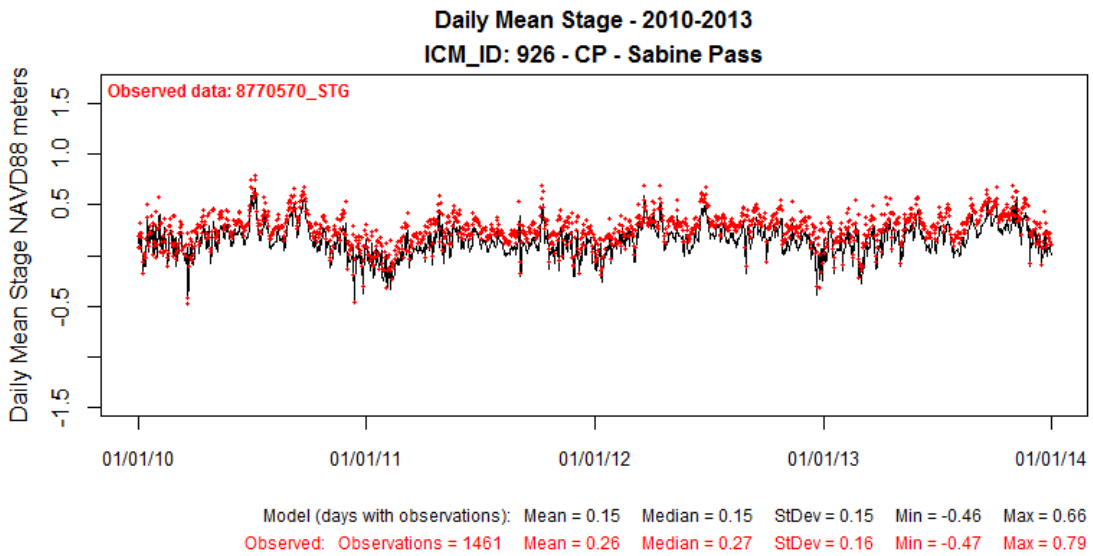


**Figure 407: Modeled Stage at ICM Compartment 926 (solid black line) Compared to Observed Data at USGS8770570 for Calibration Period 2010-2013.**

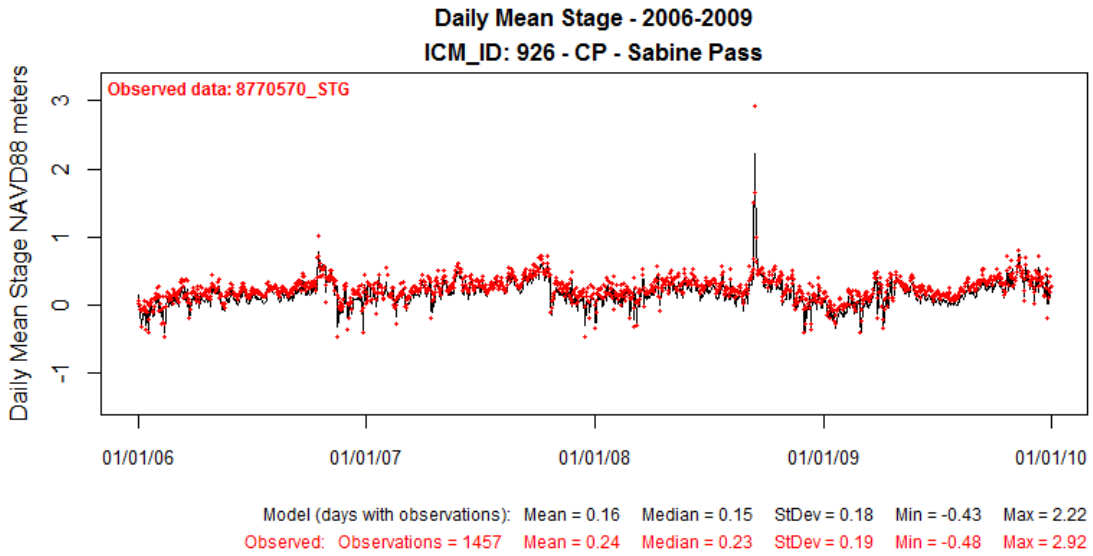


**Figure 408: Modeled Stage at ICM Compartment 926 (solid black line) Compared to Observed Data at USGS8770570 for Validation Period 2006-2009.**