Coastal Protection and Restoration Authority
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2017 Coastal Master Plan

Attachment C3-23.4: Model Performance - Salinity

DRAFT

Report: Version I

Date: September 2016

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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.

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Table1: Summary of Modeled and Observed Mean Daily Salinity (ppt) for Calibration Period, 2010-2013.

ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
20	CRMS1069-H01	1405	18.4	20.4	5.7	6.3	25.9	18.2	17.9	5.3	2.9	31.7
22	CRMS0003-H01	1461	17.7	19.4	5.6	5.9	25.5	17.9	17.1	5.7	2.3	32.0
23	CRMS6088-H01	1456	0.2	0.2	0.0	0.1	0.3	0.7	0.1	1.6	0.0	16.8
25	CRMS0035-H01	1459	0.4	0.3	0.4	0.1	2.8	0.3	0.1	0.9	0.0	18.9
28	CRMS1024-H01	1444	14.8	15.9	5.0	5.1	23.1	14.4	14.4	3.9	5.1	27.3
30	CRMS4110-H01	1442	1.8	1.0	1.9	0.1	9.0	0.5	0.2	1.2	0.0	18.5
32	CRMS0108-H01	1445	12.0	12.8	4.7	3.6	20.6	12.4	12.7	3.8	4.4	26.8
35	CRMS3784-H01	1458	6.1	6.6	3.9	0.1	17.7	5.9	5.8	3.1	1.1	28.2
36	CRMS0006-H01	1424	2.8	2.7	1.8	0.2	9.1	4.0	3.6	2.2	0.8	25.9
37	CRMS0002-H01	1458	5.0	5.3	3.2	0.1	15.2	4.9	4.8	2.3	0.5	20.9
42	CRMS4557-H01	1393	13.3	13.2	4.7	3.8	21.7	13.7	13.4	3.8	4.0	25.6
46	CRMS4548-H01	1315	6.0	6.3	3.3	1.1	13.0	5.9	5.7	2.2	1.4	16.9
48	CRMS4094-H01	1461	1.5	1.2	1.1	0.1	4.9	1.3	1.1	0.8	0.0	4.5
53	CRMS4551-H01	1427	5.8	6.0	3.1	1.1	12.5	6.5	6.6	2.0	2.8	20.2
56	CRMS0103-H01	1444	0.3	0.2	0.2	0.1	2.0	0.6	0.5	0.6	0.0	3.8
62	CRMS0161-H01	1330	4.3	2.0	4.3	0.1	20.0	3.1	0.6	4.3	0.1	23.3
66	CRMS3639-H01	1455	5.4	5.5	3.0	0.8	11.9	3.0	2.6	2.2	0.1	9.2
67	07374526	1331	11.7	11.4	5.5	0.9	22.3	11.2	10.9	5.1	1.1	24.6
71	073745257	1285	4.6	2.8	4.2	0.1	17.0	4.1	3.5	2.9	0.2	13.9
72	CRMS4355-H01	1334	2.0	1.3	2.0	0.4	9.3	1.1	1.0	0.8	0.2	4.6
76	CRMS2627-H01	1461	1.4	0.3	1.9	0.1	13.9	1.1	0.2	1.7	0.1	21.1
77	CRMS2614-H01	1419	1.9	0.4	2.6	0.1	13.6	1.9	0.2	3.2	0.1	21.3
80	CRMS0034-H01	1421	0.9	0.6	0.9	0.1	7.7	1.8	1.7	0.8	0.1	4.1
82	07374527	1188	9.8	8.9	5.7	0.3	20.9	9.6	9.4	4.5	0.9	29.1
83	295124089542100	1421	0.6	0.4	0.5	0.2	3.5	0.3	0.2	0.2	0.1	2.2
90	CRMS0153-H01	1461	3.2	1.5	3.6	0.1	18.1	2.9	1.4	3.4	0.2	25.2

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
92	CRMS4448-H01	1461	0.9	0.2	1.2	0.2	7.5	1.0	0.2	1.7	0.1	26.1
97	CRMS0046-H01	1405	0.3	0.3	0.2	0.1	0.8	0.2	0.1	0.2	0.0	1.2
103	CRMS0117-H01	301	0.9	0.4	0.9	0.1	3.7	0.3	0.3	0.1	0.2	0.6
105	CRMS0157-H01	1359	1.3	0.3	1.7	0.2	10.0	1.0	0.2	1.4	0.1	17.4
107	CRMS0121-H01	1361	2.2	1.0	2.9	0.1	20.8	2.3	1.8	2.0	0.2	21.9
110	CRMS0139-H01	1448	0.7	0.2	1.0	0.2	7.2	0.9	0.2	1.9	0.1	16.4
111	073745258	1375	5.4	3.7	4.8	0.1	17.4	4.5	4.3	2.8	0.2	17.1
115	CRMS2608-H01	1460	0.7	0.3	0.8	0.2	5.0	0.9	0.2	1.5	0.1	20.5
116	CRMS0135-H01	1405	3.5	1.8	3.6	0.3	15.3	3.2	2.6	2.6	0.2	13.4
120	CRMS0129-H01	1418	5.9	4.3	5.2	0.2	19.0	6.8	6.3	4.2	0.3	23.9
134	CRMS0115-H01	1376	1.4	0.6	1.8	0.2	9.0	0.8	0.5	0.8	0.2	10.5
135	CRMS0118-H01	1203	1.6	0.4	2.2	0.1	8.3	0.8	0.5	1.2	0.2	21.0
136	CRMS3913-H01	1319	0.6	0.5	0.4	0.2	1.8	0.8	0.7	0.4	0.0	1.9
152	CRMS0125-H01	1362	1.5	0.6	1.8	0.2	8.8	1.5	1.4	0.8	0.2	6.5
155	CRMS0136-H01	1460	3.8	2.0	3.9	0.2	17.0	3.3	2.9	2.1	0.5	22.9
156	CRMS0159-H01	1432	3.9	1.3	5.0	0.1	23.5	1.4	0.3	2.2	0.1	25.3
166	CRMS0132-H01	1413	2.3	1.1	2.8	0.2	13.2	2.7	2.3	1.5	0.4	14.5
186	CRMS2830-H01	1457	3.6	2.1	3.5	0.1	18.4	2.3	2.1	1.0	0.7	5.6
191	CRMS0163-H01	1365	2.7	1.6	2.4	0.2	10.7	1.9	0.3	3.0	0.1	19.0
197	CRMS0173-H01	1459	14.1	13.2	5.4	5.9	25.3	13.4	12.4	5.2	3.8	26.2
198	CRMS0272-H01	1426	13.8	12.9	5.6	5.5	25.2	13.8	13.1	5.9	2.6	25.4
208	CRMS3680-H01	1425	10.3	9.6	4.8	2.6	24.5	10.9	10.0	5.1	0.9	22.1
215	CRMS5267-H01	1459	0.2	0.1	0.1	0.1	3.7	0.3	0.2	0.3	0.0	1.8
216	CRMS0260-H01	1410	9.8	9.1	4.8	2.4	22.1	8.3	7.9	4.3	0.6	21.2
223	CRMS0287-H01	1386	2.5	2.2	1.5	0.4	8.3	1.2	1.0	0.8	0.1	4.2
225	CRMS0276-H01	1367	6.4	6.1	3.0	1.4	14.9	6.0	5.4	3.6	0.7	15.5
227	CRMS4529-H01	1380	11.9	11.6	4.7	3.4	28.2	12.1	11.2	4.7	2.3	22.6

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
231	CRMS0174-H01	1445	15.1	14.6	5.5	6.3	26.4	14.8	14.3	6.1	2.7	29.5
234	CRMS0263-H01	1459	7.5	7.4	3.4	1.7	20.3	7.3	6.8	3.9	1.0	18.8
236	CRMS0063-H01	1396	0.3	0.3	0.3	0.1	7.6	0.3	0.3	0.2	0.0	1.6
238	CRMS0226-H01	1393	8.9	8.5	4.2	1.4	25.4	8.8	8.4	4.3	1.3	25.0
239	CRMS0181-H01	1418	15.4	14.1	6.0	5.6	26.8	15.6	15.6	7.0	1.5	31.4
243	CRMS3166-H01	1461	0.2	0.2	0.1	0.1	0.5	0.2	0.2	0.1	0.1	0.5
246	CRMS4103-H01	1415	2.8	2.6	1.6	0.5	8.1	1.9	1.3	1.4	0.2	7.5
247	CRMS3617-H01	1448	7.5	7.3	3.4	1.7	21.1	7.9	7.4	4.0	0.9	21.3
248	CRMS0188-H01	1461	1.3	1.1	0.9	0.2	3.6	1.0	1.0	0.3	0.4	3.1
252	CRMS0172-H01	1459	16.0	15.6	5.7	6.5	26.9	16.6	16.2	6.7	2.4	31.9
256	CRMS3985-H01	1360	1.6	1.3	1.0	0.3	4.2	1.1	1.0	0.8	0.2	4.8
258	CRMS0008-H01	462	0.2	0.2	0.2	0.1	4.3	0.2	0.1	0.2	0.0	0.6
259	CRMS0251-H01	1342	6.1	5.9	3.0	1.4	14.5	6.3	5.4	4.3	0.3	29.7
260	CRMS3590-H01	848	8.6	8.4	3.9	1.4	19.5	8.4	7.8	4.6	0.5	22.5
261	CRMS0059-H01	392	0.3	0.2	0.7	0.1	10.4	0.3	0.3	0.2	0.0	0.9
264	CRMS0220-H01	1453	3.6	3.2	1.9	0.7	9.2	4.4	3.7	3.1	0.4	15.1
266	CRMS0176-H01	1370	17.1	16.5	5.5	4.8	28.0	14.7	13.4	6.0	3.0	28.7
277	CRMS4245-H01	1352	1.7	1.4	1.0	0.2	4.5	1.4	0.9	1.3	0.2	14.3
278	292859090004000	1411	6.3	5.7	3.8	0.1	18.6	7.7	7.0	5.3	0.2	24.6
280	07380251	1085	12.0	11.7	4.9	3.2	23.5	11.6	11.1	6.5	0.5	28.8
283	CRMS0192-H01	1384	0.5	0.4	0.4	0.1	2.0	0.2	0.1	0.2	0.0	1.1
285	292800090060000	1394	4.4	3.7	2.9	0.2	19.4	5.2	3.9	4.6	0.1	22.1
286	CRMS5167-H01	1447	0.3	0.2	1.3	0.1	36.0	0.3	0.2	0.2	0.0	1.9
287	CRMS3054-H01	1444	1.2	0.9	0.8	0.2	3.2	0.3	0.2	0.3	0.1	2.6
296	07381235	1444	1.2	0.9	1.0	0.1	4.5	0.6	0.2	0.8	0.1	6.8
297	CRMS0268-H01	1433	0.2	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.0	0.5
298	CRMS3136-H01	1449	0.2	0.2	0.1	0.1	0.7	0.1	0.1	0.1	0.0	0.4

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
306	07381235	1444	0.2	0.2	0.1	0.1	1.0	0.6	0.2	0.8	0.1	6.8
307	CRMS0178-H01	1413	21.5	22.0	5.4	7.4	31.1	15.9	15.5	4.9	1.2	31.1
315	07381350	1449	0.2	0.2	0.0	0.1	0.3	0.2	0.2	0.1	0.1	1.1
322	CRMS0312-H01	1376	9.3	9.2	3.5	2.7	17.3	4.1	3.9	2.0	1.1	14.0
327	CRMS0367-H01	1434	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.7
329	CRMS0386-H01	1378	10.9	11.0	4.0	2.9	21.1	11.8	11.3	4.5	2.4	25.0
331	CRMS0175-H01	1422	15.2	15.3	5.0	5.0	25.6	15.1	15.1	3.8	2.4	23.7
334	07381355	1461	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.1	1.9
335	CRMS0397-H01	1401	18.6	18.6	4.2	9.2	28.8	14.1	14.2	4.0	5.6	25.5
339	CRMS0331-H01	1458	0.1	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.1	1.2
344	CRMS0164-H01	1437	18.6	18.9	5.0	7.7	28.7	19.7	20.0	3.8	8.1	27.4
345	CRMS0310-H01	1449	20.9	20.9	4.0	9.3	29.5	17.9	18.1	3.4	7.1	24.8
346	CRMS0416-H01	1372	4.0	3.3	3.3	0.1	13.2	7.7	7.0	3.7	1.9	22.3
350	CRMS0400-H01	1461	0.9	0.3	1.2	0.1	7.1	7.3	6.6	5.2	0.3	22.1
353	CRMS0336-H01	1443	18.3	18.2	3.9	8.9	26.8	17.7	17.7	4.0	4.7	28.1
364	CRMS3296-H01	1399	13.0	13.0	4.0	1.4	22.7	13.9	13.6	4.2	0.6	26.8
371	CRMS0318-H01	1361	23.5	23.1	2.6	16.8	29.7	18.7	18.8	3.6	4.6	26.2
373	CRMS0338-H01	1429	18.0	18.2	3.6	8.3	25.7	17.9	17.7	4.0	5.4	26.1
381	CRMS0315-H01	1412	13.2	13.3	3.3	6.1	20.8	8.8	8.7	3.0	1.7	16.5
399	CRMS0390-H01	1433	4.2	3.9	2.2	0.7	11.9	7.4	7.4	2.5	2.4	14.3
419	CRMS0292-H01	1461	27.2	27.3	2.4	21.6	31.9	24.7	24.9	4.1	11.2	33.0
439	CRMS0341-H01	1461	21.1	21.1	2.8	15.1	27.0	18.0	17.8	3.7	8.8	27.9
441	CRMS0403-H01	1334	0.1	0.1	0.1	0.1	0.6	0.1	0.2	0.0	0.1	0.2
468	CRMS2887-H01	1456	0.2	0.2	0.0	0.1	0.6	0.2	0.2	0.1	0.1	2.0
480	CRMS0381-H01	1461	0.1	0.1	0.0	0.1	0.6	0.6	0.6	0.2	0.3	2.3
494	CRMS0369-H01	1459	5.3	4.6	3.6	0.1	19.8	6.8	5.7	4.4	0.7	20.1
497	CRMS0409-H01	1461	0.1	0.1	0.1	0.1	0.8	0.2	0.2	0.1	0.1	1.3

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
508	CRMS0434-H01	1415	3.4	2.2	3.2	0.2	17.5	6.3	4.7	5.3	0.1	23.1
518	CRMS0296-H01	1377	1.1	0.6	1.1	0.1	4.9	0.3	0.2	0.3	0.1	4.6
520	CRMS0411-H01	1461	0.2	0.2	0.1	0.1	0.6	0.2	0.2	0.1	0.1	2.4
524	CRMS2785-H01	1371	0.2	0.2	0.1	0.1	0.8	0.2	0.2	0.3	0.1	5.7
525	CRMS2862-H01	1439	0.2	0.2	0.0	0.1	0.4	0.2	0.2	0.1	0.1	0.5
535	CRMS0290-H01	1357	0.2	0.2	0.1	0.1	0.7	0.2	0.2	0.2	0.1	2.9
539	CRMS0398-H01	1379	3.1	2.0	2.9	0.1	13.5	1.9	0.9	2.0	0.2	11.8
540	CRMS0394-H01	1418	8.9	7.7	5.2	0.6	22.0	5.0	4.5	2.4	1.3	14.0
545	CRMS4900-H01	1397	0.2	0.2	0.0	0.2	0.3	0.2	0.2	0.1	0.1	0.3
551	CRMS0345-H01	1442	14.8	14.5	4.0	4.5	25.5	18.4	18.8	4.3	4.5	27.3
556	CRMS0327-H01	1299	0.2	0.2	0.1	0.1	0.9	0.3	0.2	0.3	0.0	4.1
557	CRMS0329-H01	1444	0.2	0.2	0.1	0.1	1.0	0.3	0.2	0.5	0.1	7.3
560	CRMS4045-H01	1282	2.2	1.0	2.2	0.1	8.4	1.3	0.6	1.4	0.1	7.8
561	CRMS0307-H01	1461	9.6	8.4	5.6	1.5	23.1	9.7	9.3	4.0	0.9	20.6
564	CRMS0354-H01	1257	4.0	2.6	3.3	0.3	12.6	3.7	2.4	3.4	0.1	16.1
567	CRMS0371-H01	1442	0.2	0.2	0.1	0.1	1.2	0.3	0.2	0.4	0.1	5.2
575	CRMS0374-H01	1459	18.8	19.2	4.6	7.5	28.1	19.5	19.8	5.2	4.4	36.9
578	CRMS0461-H01	1371	0.2	0.2	0.0	0.1	0.4	0.2	0.2	0.1	0.1	0.4
583	CRMS0332-H01	1459	5.9	4.3	5.0	0.1	19.6	6.6	5.8	4.6	0.2	20.5
585	07381349	1255	12.4	11.8	6.0	2.8	25.8	12.0	11.9	5.3	0.5	26.8
587	CRMS5992-H01	1461	0.3	0.2	0.2	0.1	1.3	0.2	0.2	0.1	0.1	1.2
588	CRMS0365-H01	1421	0.2	0.2	0.1	0.1	0.9	0.2	0.2	0.2	0.1	2.0
591	CRMS4782-H01	1446	0.2	0.2	0.0	0.2	0.3	0.2	0.2	0.1	0.1	0.5
596	CRMS0513-H01	1461	0.4	0.2	0.3	0.1	2.4	0.4	0.4	0.2	0.2	0.9
599	073813498	1294	21.8	22.5	5.5	5.1	31.1	22.8	23.5	4.8	3.3	32.8
600	CRMS4779-H01	1411	0.2	0.2	0.1	0.1	0.5	0.2	0.2	0.1	0.1	0.3
601	CRMS0399-H01	1371	6.6	5.9	5.0	0.3	21.9	5.5	4.8	3.9	0.3	17.4

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
607	CRMS0488-H01	1386	0.1	0.1	0.0	0.1	0.2	0.3	0.3	0.1	0.1	0.7
609	CRMS0302-H01	1461	14.6	14.8	6.2	3.2	28.7	19.6	19.9	5.1	2.5	30.4
611	CRMS0463-H01	1461	0.2	0.2	0.0	0.1	0.3	0.3	0.2	0.1	0.1	1.2
615	CRMS0303-H01	1438	11.7	11.2	6.1	1.9	26.1	11.9	12.0	4.8	1.0	23.3
617	CRMS0326-H01	1401	7.9	6.3	5.6	0.3	24.7	7.8	7.5	4.4	0.4	19.1
619	CRMS0305-H01	1443	0.4	0.2	0.3	0.1	2.8	2.2	0.5	3.2	0.2	18.1
625	CRMS0377-H01	1431	14.4	14.8	6.4	3.5	28.1	14.1	14.3	4.7	1.2	25.6
628	CRMS6304-H01	1461	0.2	0.2	0.1	0.1	0.8	0.3	0.2	0.5	0.1	9.7
633	CRMS0544-H01	1143	0.6	0.4	0.5	0.2	2.4	1.7	1.1	2.0	0.2	12.6
634	CRMS0543-H01	1406	1.6	1.3	1.0	0.4	4.8	0.4	0.3	0.4	0.1	3.6
635	CRMS0464-H01	1403	0.2	0.2	0.0	0.2	0.4	0.2	0.2	0.2	0.1	3.4
647	CRMS0322-H01	1461	7.0	5.5	5.6	0.2	22.8	13.7	12.9	20.7	1.7	####
674	CRMS0489-H01	1434	2.3	1.9	1.4	0.5	6.3	1.2	0.6	1.6	0.1	15.3
680	CRMS0293-H01	1461	2.8	1.5	2.9	0.1	12.9	9.7	9.1	4.4	1.5	21.0
692	CRMS0493-H01	1423	2.4	2.2	1.3	0.5	6.3	1.1	0.4	1.5	0.1	10.4
724	CRMS0527-H01	1119	4.1	4.3	1.6	0.9	7.1	4.3	3.5	3.4	0.2	18.0
728	CRMS1650-H01	1399	3.8	3.9	1.7	0.4	8.4	3.8	3.4	2.6	0.3	12.7
736	CRMS0499-H01	1340	5.1	4.8	1.8	2.0	10.3	5.4	5.3	2.8	1.0	14.1
752	CRMS0541-H01	1382	9.5	9.8	3.5	1.3	17.7	9.6	8.6	6.6	0.4	38.0
759	CRMS0616-H01	1432	3.5	3.1	1.7	0.5	8.5	4.2	3.6	2.3	0.5	10.9
760	CRMS0507-H01	1460	3.9	3.5	1.8	1.0	10.6	4.7	4.3	2.2	0.7	11.0
763	CRMS0565-H01	1399	1.8	1.9	0.6	0.8	2.9	1.0	0.8	0.6	0.2	3.3
764	CRMS0508-H01	1459	4.4	3.9	2.2	1.3	12.5	5.0	4.7	2.6	0.5	20.2
772	CRMS0501-H01	1446	4.8	4.2	2.4	1.4	14.4	4.7	4.5	2.4	0.6	13.0
776	CRMS1130-H01	1316	1.8	1.9	0.6	0.9	2.9	2.2	1.7	1.5	0.3	8.0
782	CRMS0633-H01	1328	5.7	4.6	4.0	0.2	21.3	4.9	4.5	2.3	0.8	13.3
785	CRMS1100-H01	1461	1.9	1.9	0.6	0.9	2.9	1.9	1.8	0.7	0.6	3.6

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
789	CRMS0554-H01	1384	1.3	1.2	0.6	0.4	2.6	1.0	1.0	0.7	0.0	2.7
796	CRMS0590-H01	1372	0.8	0.5	0.8	0.2	5.0	0.7	0.5	0.7	0.0	3.0
799	CRMS0576-H01	1408	4.9	4.7	1.4	2.6	9.1	4.5	4.1	2.2	0.8	11.4
808	CRMS0562-H01	1461	2.5	1.8	2.3	0.1	11.0	2.6	2.0	2.3	0.1	12.7
812	CRMS0583-H01	1441	2.3	1.2	2.6	0.1	15.4	3.2	2.6	2.1	0.3	8.4
814	CRMS0609-H01	1444	8.9	8.3	6.3	0.1	28.0	12.0	12.6	7.9	0.3	30.6
817	CRMS0584-H01	1435	5.0	4.7	4.1	0.1	17.6	7.5	5.4	5.5	1.1	22.7
826	CRMS0553-H01	1332	1.9	0.2	2.9	0.1	17.8	2.4	1.9	1.6	0.2	11.0
827	CRMS0587-H01	1242	5.0	3.1	5.1	0.1	23.5	4.5	3.7	4.3	0.2	18.9
831	CRMS0614-H01	1280	19.3	20.0	4.4	11.1	29.2	20.2	17.8	10.1	2.4	59.9
852	CRMS0687-H01	1461	16.8	17.8	5.5	5.2	26.3	17.5	18.3	6.6	1.7	32.8
856	CRMS0645-H01	1429	16.7	17.4	5.4	5.8	26.4	14.7	15.3	7.9	0.9	34.4
863	CRMS0685-H01	1294	16.8	16.6	5.4	5.4	27.0	17.2	17.3	6.5	3.3	34.4
868	CRMS0697-H01	1429	4.2	2.7	4.1	0.1	13.5	5.9	5.1	3.8	0.3	17.7
869	CRMS0658-H01	1450	6.9	5.7	4.2	1.3	17.0	7.8	6.8	5.4	0.0	25.8
874	08017118	1196	26.8	27.7	3.4	12.7	31.9	20.3	21.2	5.9	2.7	33.7
893	CRMS0655-H01	1442	17.6	17.3	4.7	10.4	27.8	19.3	19.9	5.4	7.0	31.9
896	CRMS0638-H01	1380	9.5	8.4	4.5	3.3	19.9	13.0	12.4	8.6	1.5	34.3
898	CRMS0693-H01	1080	8.9	7.9	4.1	2.5	18.6	6.7	5.2	4.8	1.1	24.5
899	CRMS0662-H01	1431	8.5	7.6	4.6	1.7	19.2	7.1	5.8	5.1	0.3	20.7
906	CRMS0660-H01	1461	9.1	8.2	4.8	1.7	19.9	8.4	6.7	5.3	2.8	24.6
907	CRMS0661-H01	1433	2.4	1.4	2.5	0.1	9.2	8.0	6.1	5.1	2.1	23.1
916	CRMS0684-H01	1455	13.1	12.3	5.9	1.1	23.7	11.4	11.2	5.9	0.8	25.6

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Table 2: Model Performance for Mean Daily Salinity (ppt) 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	1405	4.3	0.2	3.7	0.2	3.4	0.3	0.9	0.2
22	CRMS0003-H01	1461	4.2	-0.2	3.6	-0.2	3.2	-0.2	1.1	-0.2
23	CRMS6088-H01	1456	1.7	-0.6	1.5	-0.5	1.4	-0.6	0.7	-0.6
25	CRMS0035-H01	1459	0.9	0.1	0.5	0.1	0.4	0.1	0.2	0.1
28	CRMS1024-H01	1444	3.6	0.4	3.4	0.4	3.3	0.4	1.4	0.4
30	CRMS4110-H01	1442	2.3	1.3	2.1	1.3	2.0	1.3	1.4	1.3
32	CRMS0108-H01	1445	3.3	-0.3	3.0	-0.4	2.9	-0.3	1.1	-0.3
35	CRMS3784-H01	1458	2.9	0.2	2.5	0.2	2.2	0.2	0.9	0.2
36	CRMS0006-H01	1424	2.6	-1.2	2.4	-1.1	2.3	-1.2	1.4	-1.1
37	CRMS0002-H01	1458	2.3	0.0	2.2	0.0	2.1	0.0	0.9	0.0
42	CRMS4557-H01	1393	4.2	-0.4	3.7	-0.4	3.6	-0.3	1.8	-0.4
46	CRMS4548-H01	1315	2.4	0.1	2.4	0.0	2.4	0.2	0.8	0.0
48	CRMS4094-H01	1461	1.2	0.2	1.1	0.2	1.1	0.2	0.5	0.2
53	CRMS4551-H01	1427	2.5	-0.8	2.5	-0.8	2.4	-0.7	1.0	-0.7
56	CRMS0103-H01	1444	0.6	-0.3	0.5	-0.3	0.5	-0.3	0.4	-0.3
62	CRMS0161-H01	1330	2.8	1.2	1.9	1.2	1.8	1.2	1.2	1.2
66	CRMS3639-H01	1455	3.8	2.4	3.8	2.5	3.6	2.4	2.6	2.4
67	07374526	1331	4.8	0.5	4.5	0.6	4.1	0.5	2.6	0.6
71	073745257	1285	2.9	0.5	2.7	0.4	2.5	0.4	1.8	0.5
72	CRMS4355-H01	1334	1.7	0.9	1.7	0.9	1.8	1.0	1.2	0.9
76	CRMS2627-H01	1461	0.9	0.3	0.6	0.3	0.6	0.3	0.3	0.3
77	CRMS2614-H01	1419	1.8	0.0	0.9	0.0	0.7	0.0	0.2	0.0
80	CRMS0034-H01	1421	1.3	-0.9	1.1	-0.9	1.1	-0.9	0.9	-0.9
82	07374527	1188	4.8	0.2	4.3	0.2	4.2	0.4	3.1	0.3
83	295124089542100	1421	0.6	0.4	0.6	0.4	0.6	0.4	0.4	0.4
90	CRMS0153-H01	1461	2.8	0.3	1.7	0.3	1.4	0.4	0.7	0.3

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
92	CRMS4448-H01	1461	0.9	-0.1	0.6	-0.1	0.5	-0.1	0.2	-0.1
97	CRMS0046-H01	1405	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
103	CRMS0117-H01	301	1.1	0.6	1.1	0.6	0.5	0.6	0.3	0.6
105	CRMS0157-H01	1359	0.7	0.3	0.6	0.3	0.5	0.3	0.3	0.3
107	CRMS0121-H01	1361	1.8	-0.1	1.6	-0.1	1.6	-0.1	0.9	-0.1
110	CRMS0139-H01	1448	1.6	-0.2	1.0	-0.2	0.7	-0.2	0.3	-0.2
111	073745258	1375	4.1	0.9	3.9	1.0	3.9	1.0	3.1	1.0
115	CRMS2608-H01	1460	0.9	-0.2	0.7	-0.2	0.6	-0.2	0.4	-0.2
116	CRMS0135-H01	1405	2.6	0.3	2.3	0.2	2.2	0.3	1.5	0.3
120	CRMS0129-H01	1418	4.7	-0.9	4.3	-0.9	4.3	-0.7	3.2	-0.8
134	CRMS0115-H01	1376	1.4	0.6	1.4	0.6	1.3	0.6	0.8	0.6
135	CRMS0118-H01	1203	1.9	0.8	1.7	0.8	1.5	0.7	1.1	0.7
136	CRMS3913-H01	1319	0.4	-0.2	0.4	-0.2	0.3	-0.2	0.2	-0.2
152	CRMS0125-H01	1362	1.8	-0.1	1.7	-0.1	1.7	-0.1	1.1	-0.1
155	CRMS0136-H01	1460	2.8	0.5	2.7	0.5	2.7	0.5	1.9	0.5
156	CRMS0159-H01	1432	4.2	2.5	3.9	2.4	3.8	2.4	2.8	2.5
166	CRMS0132-H01	1413	2.1	-0.4	2.1	-0.3	2.0	-0.3	1.3	-0.3
186	CRMS2830-H01	1457	3.5	1.2	3.5	1.2	3.4	1.2	1.8	1.2
191	CRMS0163-H01	1365	1.8	0.8	1.4	0.8	1.3	0.8	0.9	0.8
197	CRMS0173-H01	1459	3.5	0.6	3.3	0.6	3.1	0.6	1.4	0.6
198	CRMS0272-H01	1426	3.6	-0.1	3.5	-0.1	3.3	-0.2	0.9	-0.1
208	CRMS3680-H01	1425	3.3	-0.6	3.2	-0.5	3.1	-0.5	1.7	-0.6
215	CRMS5267-H01	1459	0.3	-0.1	0.3	-0.1	0.3	-0.1	0.2	-0.1
216	CRMS0260-H01	1410	3.1	1.6	3.0	1.6	2.9	1.6	2.0	1.6
223	CRMS0287-H01	1386	1.9	1.3	1.8	1.3	1.8	1.3	1.5	1.4
225	CRMS0276-H01	1367	2.3	0.3	2.3	0.3	2.1	0.3	0.9	0.3
227	CRMS4529-H01	1380	3.1	-0.2	2.8	-0.2	2.7	-0.1	1.0	-0.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
231	CRMS0174-H01	1445	3.9	0.2	3.7	0.1	3.3	0.2	1.0	0.2
234	CRMS0263-H01	1459	2.5	0.2	2.3	0.3	2.2	0.2	1.0	0.2
236	CRMS0063-H01	1396	0.3	0.0	0.2	0.0	0.2	0.0	0.1	0.0
238	CRMS0226-H01	1393	2.6	0.0	2.2	0.0	2.0	0.1	0.9	0.0
239	CRMS0181-H01	1418	4.6	-0.2	3.9	-0.3	3.2	-0.2	0.8	-0.2
243	CRMS3166-H01	1461	0.1	-0.1	0.1	-0.1	0.1	-0.1	0.1	-0.1
246	CRMS4103-H01	1415	1.7	1.0	1.7	1.0	1.6	1.0	1.1	1.0
247	CRMS3617-H01	1448	2.3	-0.4	2.1	-0.4	2.0	-0.4	0.8	-0.4
248	CRMS0188-H01	1461	0.8	0.3	0.8	0.3	0.8	0.3	0.3	0.3
252	CRMS0172-H01	1459	4.8	-0.7	4.3	-0.8	3.7	-0.7	1.4	-0.7
256	CRMS3985-H01	1360	1.0	0.4	0.9	0.4	0.9	0.4	0.5	0.5
258	CRMS0008-H01	462	0.3	0.0	0.2	0.0	0.1	0.0	0.2	-0.1
259	CRMS0251-H01	1342	2.8	-0.2	2.3	-0.2	1.9	-0.2	0.3	-0.2
260	CRMS3590-H01	848	2.8	0.2	2.4	0.1	1.8	0.4	1.3	0.6
261	CRMS0059-H01	392	0.8	0.0	0.4	0.0	0.2	0.0	0.0	0.0
264	CRMS0220-H01	1453	2.3	-0.9	2.0	-0.9	1.8	-0.9	1.0	-0.9
266	CRMS0176-H01	1370	4.8	2.4	4.5	2.2	4.1	2.3	2.7	2.4
277	CRMS4245-H01	1352	1.2	0.3	1.0	0.3	0.9	0.3	0.4	0.3
278	292859090004000	1411	3.6	-1.4	2.7	-1.3	2.4	-1.4	1.4	-1.4
280	07380251	1085	4.3	0.4	3.4	0.4	2.9	0.3	0.7	0.4
283	CRMS0192-H01	1384	0.5	0.3	0.5	0.3	0.5	0.3	0.3	0.3
285	292800090060000	1394	3.2	-0.9	2.3	-0.9	1.9	-0.8	1.0	-0.9
286	CRMS5167-H01	1447	1.3	0.0	0.7	0.0	0.4	0.0	0.1	0.0
287	CRMS3054-H01	1444	1.1	0.8	1.1	0.8	1.1	0.8	0.9	0.8
296	07381235	1444	1.3	0.6	1.2	0.6	1.1	0.6	0.7	0.6
297	CRMS0268-H01	1433	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
298	CRMS3136-H01	1449	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
306	07381235	1444	0.9	-0.3	0.7	-0.3	0.6	-0.3	0.4	-0.3
307	CRMS0178-H01	1413	7.4	5.6	7.0	5.6	6.6	5.6	5.7	5.6
315	07381350	1449	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
322	CRMS0312-H01	1376	5.8	5.2	5.8	5.2	5.6	5.1	5.2	5.2
327	CRMS0367-H01	1434	0.1	-0.1	0.1	-0.1	0.1	-0.1	0.1	-0.1
329	CRMS0386-H01	1378	2.7	-0.9	2.5	-0.9	2.4	-1.0	1.7	-0.9
331	CRMS0175-H01	1422	4.3	0.1	4.1	0.1	3.9	0.0	0.8	0.1
334	07381355	1461	0.2	-0.1	0.2	-0.1	0.2	-0.1	0.1	-0.1
335	CRMS0397-H01	1401	5.1	4.4	5.0	4.4	5.3	4.6	4.5	4.4
339	CRMS0331-H01	1458	0.2	-0.1	0.2	-0.1	0.2	-0.1	0.1	-0.1
344	CRMS0164-H01	1437	3.8	-1.2	3.6	-1.0	3.2	-1.1	1.5	-1.2
345	CRMS0310-H01	1449	4.0	3.1	3.9	3.1	3.8	3.1	3.2	3.1
346	CRMS0416-H01	1372	4.6	-3.7	4.3	-3.7	4.2	-3.7	3.9	-3.7
350	CRMS0400-H01	1461	7.9	-6.4	7.6	-6.4	7.5	-6.4	6.7	-6.4
353	CRMS0336-H01	1443	3.0	0.6	2.7	0.6	2.4	0.7	0.9	0.6
364	CRMS3296-H01	1399	2.9	-0.9	2.5	-0.9	2.2	-0.8	1.3	-0.8
371	CRMS0318-H01	1361	5.6	4.8	5.4	4.8	5.4	4.9	5.0	4.8
373	CRMS0338-H01	1429	2.4	0.1	2.0	0.2	1.7	0.1	1.0	0.1
381	CRMS0315-H01	1412	4.9	4.4	4.7	4.4	4.7	4.4	4.4	4.4
399	CRMS0390-H01	1433	3.4	-3.2	3.4	-3.2	3.4	-3.2	3.2	-3.2
419	CRMS0292-H01	1461	4.1	2.5	3.8	2.5	3.6	2.5	2.8	2.5
439	CRMS0341-H01	1461	3.8	3.1	3.6	3.1	3.5	3.1	3.2	3.1
441	CRMS0403-H01	1334	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
468	CRMS2887-H01	1456	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0
480	CRMS0381-H01	1461	0.6	-0.5	0.6	-0.5	0.5	-0.5	0.5	-0.5
494	CRMS0369-H01	1459	4.0	-1.5	3.2	-1.4	2.9	-1.5	1.7	-1.5
497	CRMS0409-H01	1461	0.1	-0.1	0.1	-0.1	0.1	-0.1	0.1	-0.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
508	CRMS0434-H01	1415	4.3	-2.9	3.7	-2.8	3.5	-2.8	2.9	-2.9
518	CRMS0296-H01	1377	1.3	0.8	1.2	0.8	1.2	0.8	0.8	0.8
520	CRMS0411-H01	1461	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
524	CRMS2785-H01	1371	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
525	CRMS2862-H01	1439	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
535	CRMS0290-H01	1357	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0
539	CRMS0398-H01	1379	2.3	1.2	2.1	1.2	1.9	1.2	1.3	1.2
540	CRMS0394-H01	1418	5.7	4.0	5.5	3.9	5.4	4.0	4.0	4.0
545	CRMS4900-H01	1397	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
551	CRMS0345-H01	1442	4.8	-3.6	4.4	-3.6	4.2	-3.6	3.6	-3.6
556	CRMS0327-H01	1299	0.3	-0.1	0.2	-0.1	0.2	-0.1	0.1	-0.1
557	CRMS0329-H01	1444	0.5	-0.1	0.4	-0.1	0.3	-0.1	0.1	-0.1
560	CRMS4045-H01	1282	1.7	1.0	1.6	1.0	1.5	0.9	1.1	1.0
561	CRMS0307-H01	1461	3.3	-0.1	3.1	-0.1	2.8	-0.1	0.6	-0.1
564	CRMS0354-H01	1257	2.7	0.4	2.2	0.4	1.9	0.4	0.6	0.4
567	CRMS0371-H01	1442	0.4	-0.1	0.3	-0.1	0.3	-0.1	0.1	-0.1
575	CRMS0374-H01	1459	5.4	-0.7	4.8	-0.8	3.5	-0.7	0.9	-0.7
578	CRMS0461-H01	1371	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
583	CRMS0332-H01	1459	4.3	-0.7	3.7	-0.6	3.5	-0.7	1.1	-0.7
585	07381349	1255	4.3	0.4	3.9	0.3	3.6	0.3	0.8	0.4
587	CRMS5992-H01	1461	0.3	0.1	0.2	0.1	0.2	0.1	0.2	0.1
588	CRMS0365-H01	1421	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
591	CRMS4782-H01	1446	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
596	CRMS0513-H01	1461	0.4	-0.1	0.4	-0.1	0.3	-0.1	0.2	-0.1
599	073813498	1294	5.7	-1.1	4.4	-1.2	4.3	-1.4	1.6	-1.1
600	CRMS4779-H01	1411	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
601	CRMS0399-H01	1371	4.1	1.1	3.8	1.2	3.3	1.1	1.6	1.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
607	CRMS0488-H01	1386	0.2	-0.2	0.2	-0.2	0.2	-0.2	0.2	-0.2
609	CRMS0302-H01	1461	7.5	-5.1	7.0	-5.0	6.8	-5.1	5.1	-5.1
611	CRMS0463-H01	1461	0.1	-0.1	0.1	-0.1	0.1	-0.1	0.1	-0.1
615	CRMS0303-H01	1438	5.4	-0.3	4.9	-0.3	4.5	-0.3	0.7	-0.3
617	CRMS0326-H01	1401	4.9	0.0	4.4	-0.1	4.1	0.1	0.9	0.1
619	CRMS0305-H01	1443	3.6	-1.8	3.1	-1.7	2.9	-1.8	1.9	-1.8
625	CRMS0377-H01	1431	5.7	0.3	5.3	0.4	4.7	0.3	0.5	0.3
628	CRMS6304-H01	1461	0.6	-0.2	0.4	-0.2	0.3	-0.2	0.2	-0.2
633	CRMS0544-H01	1143	2.1	-1.2	2.1	-1.2	1.7	-1.1	1.2	-1.2
634	CRMS0543-H01	1406	1.5	1.2	1.5	1.2	1.4	1.2	1.2	1.2
635	CRMS0464-H01	1403	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
647	CRMS0322-H01	1461	21.8	-6.7	9.6	-6.7	8.6	-6.7	6.9	-6.7
674	CRMS0489-H01	1434	1.7	1.1	1.5	1.1	1.4	1.1	1.1	1.1
680	CRMS0293-H01	1461	7.9	-6.9	7.7	-6.9	7.5	-6.9	6.9	-6.9
692	CRMS0493-H01	1423	1.8	1.3	1.8	1.3	1.7	1.3	1.4	1.3
724	CRMS0527-H01	1119	3.3	-0.2	3.0	-0.2	2.5	-0.2	0.7	0.1
728	CRMS1650-H01	1399	2.4	-0.1	2.4	-0.1	2.2	-0.1	0.8	-0.1
736	CRMS0499-H01	1340	2.9	-0.3	2.8	-0.4	2.6	-0.4	0.6	-0.4
752	CRMS0541-H01	1382	7.5	-0.1	6.8	-0.2	6.0	-0.2	1.5	0.0
759	CRMS0616-H01	1432	2.2	-0.7	2.1	-0.7	2.1	-0.7	1.0	-0.7
760	CRMS0507-H01	1460	2.5	-0.9	2.4	-0.9	2.4	-0.9	1.2	-0.9
763	CRMS0565-H01	1399	1.0	0.9	1.0	0.9	1.0	0.9	1.0	0.9
764	CRMS0508-H01	1459	3.1	-0.5	2.8	-0.5	2.7	-0.5	0.8	-0.5
772	CRMS0501-H01	1446	3.2	0.1	3.0	0.1	2.9	0.1	0.7	0.0
776	CRMS1130-H01	1316	1.3	-0.4	1.3	-0.4	1.2	-0.5	0.5	-0.4
782	CRMS0633-H01	1328	4.7	0.8	4.8	1.1	4.1	0.7	1.7	0.9
785	CRMS1100-H01	1461	0.5	0.0	0.5	0.0	0.5	0.0	0.2	0.0

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
789	CRMS0554-H01	1384	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.3
796	CRMS0590-H01	1372	0.5	0.1	0.4	0.1	0.4	0.1	0.2	0.1
799	CRMS0576-H01	1408	1.7	0.4	1.6	0.4	1.5	0.4	0.7	0.4
808	CRMS0562-H01	1461	1.8	-0.2	1.8	-0.2	1.7	-0.2	0.9	-0.2
812	CRMS0583-H01	1441	2.1	-0.9	2.1	-0.9	2.0	-0.9	1.1	-0.9
814	CRMS0609-H01	1444	7.6	-3.1	6.9	-3.1	6.2	-3.1	3.5	-3.1
817	CRMS0584-H01	1435	5.0	-2.5	4.9	-2.5	4.7	-2.5	2.8	-2.5
826	CRMS0553-H01	1332	3.2	-0.5	3.0	-0.4	3.0	-0.3	1.2	-0.6
827	CRMS0587-H01	1242	4.3	0.5	4.0	0.5	3.7	0.5	1.3	0.3
831	CRMS0614-H01	1280	7.4	-0.9	7.1	-1.1	6.9	-1.0	5.1	-0.8
852	CRMS0687-H01	1461	4.4	-0.7	4.1	-0.7	3.8	-0.7	1.2	-0.7
856	CRMS0645-H01	1429	5.2	2.0	5.0	2.1	4.7	2.0	3.5	2.1
863	CRMS0685-H01	1294	4.4	-0.5	3.9	-0.6	3.6	-0.6	0.7	-0.5
868	CRMS0697-H01	1429	2.5	-1.6	2.4	-1.7	2.2	-1.6	1.8	-1.6
869	CRMS0658-H01	1450	3.6	-1.0	3.3	-1.0	2.9	-1.0	1.1	-1.0
874	08017118	1196	8.3	6.5	8.1	6.5	7.4	6.4	6.5	6.5
893	CRMS0655-H01	1442	4.8	-1.8	4.7	-2.0	4.1	-1.8	2.1	-1.8
896	CRMS0638-H01	1380	6.9	-3.5	6.7	-3.3	6.4	-3.4	4.7	-3.3
898	CRMS0693-H01	1080	3.8	2.1	3.5	2.1	3.2	2.1	2.1	1.9
899	CRMS0662-H01	1431	2.7	1.4	2.6	1.4	2.6	1.4	1.4	1.4
906	CRMS0660-H01	1461	2.0	0.7	2.0	0.8	1.9	0.7	1.2	0.7
907	CRMS0661-H01	1433	6.3	-5.5	6.2	-5.5	6.4	-5.6	5.9	-5.5
916	CRMS0684-H01	1455	3.3	1.7	3.0	1.7	3.0	1.7	1.9	1.7

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Table 3: Summary of Modeled and Observed Mean Daily Salinity (ppt) for Validation Period, 2006-2009.

ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
20	CRMS1069-H01	780	19.1	20.4	5.1	5.5	25.6	20.0	19.8	5.3	3.2	31.1
22	CRMS0003-H01	792	18.4	19.8	5.1	5.2	25.3	19.4	19.5	5.6	6.0	32.1
23	CRMS6088-H01	814	0.2	0.2	0.1	0.1	0.4	1.4	0.1	2.2	0.0	11.1
25	CRMS0035-H01	834	0.6	0.3	0.8	0.1	4.5	0.7	0.1	1.0	0.0	6.6
28	CRMS1024-H01	646	15.2	15.9	4.2	4.9	21.5	16.0	15.5	3.7	6.6	24.8
30	CRMS4110-H01	697	1.6	0.7	1.8	0.1	7.4	0.4	0.2	0.7	0.0	7.2
32	CRMS0108-H01	641	12.5	13.0	4.3	2.8	22.9	12.9	12.7	3.5	4.8	23.9
35	CRMS3784-H01	705	6.5	6.5	3.4	0.1	16.7	6.6	5.7	3.2	1.6	22.4
36	CRMS0006-H01	588	3.7	3.4	2.0	0.1	9.7	4.8	4.8	1.6	1.6	9.2
37	CRMS0002-H01	807	6.3	5.9	3.3	0.1	16.4	6.9	6.9	2.4	1.4	18.9
42	CRMS4557-H01	706	13.7	14.5	4.1	4.2	31.7	12.8	12.6	3.8	3.1	23.4
46	CRMS4548-H01	688	6.8	7.0	2.7	0.6	12.4	9.7	9.5	2.7	2.9	17.6
48	CRMS4094-H01	449	1.5	1.4	1.0	0.1	3.8	2.3	2.3	0.9	0.1	5.3
53	CRMS4551-H01	676	6.6	6.8	2.7	0.6	12.1	10.6	10.0	3.0	3.2	21.0
56	CRMS0103-H01	794	0.4	0.3	0.8	0.1	19.9	1.1	0.8	1.0	0.0	5.6
62	CRMS0161-H01	885	5.0	3.7	4.3	0.1	17.6	3.4	1.7	4.1	0.1	25.9
66	CRMS3639-H01	722	6.6	6.3	3.2	0.5	13.8	6.9	6.5	3.4	0.2	17.1
67	07374526	572	14.4	16.1	5.7	1.9	23.8	13.2	13.3	5.6	0.5	27.6
71	073745257	785	7.3	5.4	5.6	0.2	24.8	4.2	3.2	3.6	0.2	22.0
72	CRMS4355-H01	345	2.0	1.3	1.4	0.8	5.3	1.7	1.5	0.7	0.5	3.6
76	CRMS2627-H01	512	0.7	0.1	1.1	0.1	4.8	0.3	0.2	0.4	0.1	2.1
77	CRMS2614-H01	880	1.5	0.5	1.8	0.1	7.3	1.3	0.2	2.4	0.1	18.7
80	CRMS0034-H01	929	1.3	1.0	1.2	0.1	7.7	3.0	3.0	1.0	0.2	6.7
82	07374527	625	13.7	14.5	5.0	1.0	23.0	11.3	11.2	5.6	0.5	25.7
83	295124089542100	788	1.4	0.4	3.0	0.1	14.1	0.2	0.2	0.1	0.1	2.6
90	CRMS0153-H01	766	2.1	0.9	2.5	0.1	15.4	2.0	1.0	2.5	0.1	20.0

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
92	CRMS4448-H01	673	0.6	0.2	0.7	0.2	5.9	0.6	0.2	0.9	0.1	11.8
97	CRMS0046-H01	837	0.5	0.4	0.3	0.1	5.4	0.3	0.2	0.4	0.0	3.0
103	CRMS0117-H01	0	-	-	-	-	-	-	-	-	-	-
105	CRMS0157-H01	898	0.9	0.4	1.1	0.2	6.4	0.8	0.3	0.9	0.1	8.4
107	CRMS0121-H01	551	3.2	1.3	3.7	0.5	16.0	1.9	1.2	1.9	0.2	10.0
110	CRMS0139-H01	649	0.5	0.2	0.6	0.2	3.1	0.5	0.2	1.3	0.1	16.1
111	073745258	711	8.1	7.0	5.4	0.1	20.1	6.6	5.8	3.6	0.5	19.8
115	CRMS2608-H01	175	0.5	0.3	0.4	0.2	1.5	0.4	0.2	0.3	0.1	1.6
116	CRMS0135-H01	1234	6.0	4.1	4.8	0.7	19.6	3.0	1.9	2.8	0.2	14.0
120	CRMS0129-H01	935	10.5	11.0	5.8	0.2	21.3	7.2	7.1	4.1	0.3	23.0
134	CRMS0115-H01	266	1.2	0.7	1.0	0.1	4.8	0.5	0.4	0.4	0.2	2.0
135	CRMS0118-H01	945	1.7	0.7	1.9	0.1	7.6	0.5	0.4	0.8	0.1	13.2
136	CRMS3913-H01	582	1.1	1.2	0.4	0.2	4.0	1.3	1.2	0.4	0.1	2.4
152	CRMS0125-H01	609	1.4	0.8	1.8	0.1	10.3	2.1	1.8	1.3	0.3	4.6
155	CRMS0136-H01	1202	6.4	4.4	5.1	0.5	19.7	4.2	3.2	2.9	0.4	16.5
156	CRMS0159-H01	887	3.3	1.5	3.9	0.1	22.1	1.3	0.4	1.7	0.1	15.5
166	CRMS0132-H01	794	3.8	1.8	4.3	0.4	19.5	3.6	2.7	2.4	0.4	11.7
186	CRMS2830-H01	687	4.5	3.6	3.4	0.1	15.2	3.9	4.3	1.3	0.7	6.4
191	CRMS0163-H01	885	2.4	1.9	2.0	0.2	10.2	1.8	0.3	2.7	0.1	12.9
197	CRMS0173-H01	1303	15.1	15.1	4.0	6.9	25.9	14.1	14.0	5.0	4.2	25.6
198	CRMS0272-H01	773	13.7	13.6	4.6	5.3	24.3	13.7	12.4	5.6	3.6	24.4
208	CRMS3680-H01	703	11.3	9.8	5.9	2.8	26.7	9.0	8.2	5.6	0.6	19.0
215	CRMS5267-H01	131	0.1	0.1	0.0	0.1	0.3	0.7	0.7	0.5	0.0	1.8
216	CRMS0260-H01	865	12.2	11.5	6.2	2.4	26.7	7.4	6.6	4.9	0.4	16.9
223	CRMS0287-H01	638	4.2	3.4	2.4	0.2	15.2	1.2	1.0	0.7	0.1	3.4
225	CRMS0276-H01	602	8.8	8.4	3.8	2.0	20.1	5.3	3.4	3.7	0.9	12.7
227	CRMS4529-H01	891	14.4	13.1	5.1	3.6	29.5	11.6	10.8	5.0	2.7	20.8

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
231	CRMS0174-H01	1201	16.1	16.2	4.1	7.3	26.2	15.8	16.4	5.6	3.4	27.3
234	CRMS0263-H01	754	9.8	8.9	4.3	2.6	23.8	6.4	5.2	4.7	0.3	19.8
236	CRMS0063-H01	843	0.5	0.4	0.4	0.1	7.5	0.5	0.4	0.3	0.1	1.9
238	CRMS0226-H01	1139	11.9	11.8	4.9	1.9	28.1	9.4	8.7	5.5	0.8	22.1
239	CRMS0181-H01	800	15.7	16.4	4.6	5.4	26.1	15.2	15.1	5.7	2.9	30.7
243	CRMS3166-H01	658	0.1	0.1	0.1	0.1	0.6	0.2	0.2	0.0	0.1	0.6
246	CRMS4103-H01	618	4.2	3.7	1.9	0.3	11.7	1.7	1.0	1.6	0.1	7.7
247	CRMS3617-H01	841	10.2	9.4	4.5	2.6	25.8	7.0	6.2	4.5	0.6	20.3
248	CRMS0188-H01	1216	1.8	1.6	1.0	0.3	5.2	1.1	0.9	0.7	0.0	7.0
252	CRMS0172-H01	953	17.3	17.4	4.6	7.4	26.5	17.7	17.6	6.6	3.7	33.3
256	CRMS3985-H01	570	1.9	1.8	0.7	0.2	4.4	1.4	0.6	1.9	0.1	14.0
258	CRMS0008-H01	0	-	-	-	-	-	-	-	-	-	-
259	CRMS0251-H01	1275	8.9	8.7	3.7	2.2	22.1	6.8	5.6	5.0	0.4	27.4
260	CRMS3590-H01	759	11.4	10.0	5.2	2.6	36.0	6.9	6.2	4.4	0.6	18.9
261	CRMS0059-H01	0	-	-	-	-	-	-	-	-	-	-
264	CRMS0220-H01	1267	5.7	5.4	2.8	0.9	16.3	5.0	3.7	4.1	0.4	23.8
266	CRMS0176-H01	1146	18.2	18.5	3.9	5.1	28.2	15.2	15.2	6.0	1.8	32.4
277	CRMS4245-H01	538	1.8	1.8	0.6	0.3	3.6	1.3	0.6	1.6	0.2	7.8
278	292859090004000	680	8.4	7.9	4.0	1.3	21.8	6.4	5.5	5.0	0.2	22.5
280	07380251	406	13.8	13.3	5.1	0.9	26.3	9.3	7.4	6.7	0.3	25.2
283	CRMS0192-H01	0	-	-	-	-	-	-	-	-	-	-
285	292800090060000	778	6.0	5.2	3.6	0.6	28.5	4.2	2.6	4.2	0.1	25.0
286	CRMS5167-H01	754	0.4	0.2	1.4	0.1	31.3	0.3	0.2	0.2	0.1	1.7
287	CRMS3054-H01	749	1.3	1.1	0.6	0.2	4.3	0.3	0.2	0.4	0.1	3.1
296	07381235	635	1.2	1.0	0.9	0.1	4.4	0.4	0.2	0.5	0.1	3.7
297	CRMS0268-H01	1266	0.2	0.1	0.1	0.1	0.5	0.2	0.1	0.2	0.0	1.3
298	CRMS3136-H01	596	0.3	0.3	0.1	0.1	0.5	0.2	0.1	0.1	0.0	0.4

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
306	07381235	635	0.2	0.2	0.1	0.1	2.1	0.4	0.2	0.5	0.1	3.7
307	CRMS0178-H01	982	23.6	24.2	3.7	7.2	30.3	16.2	16.2	4.4	1.7	30.6
315	07381350	704	0.2	0.2	0.0	0.1	0.2	0.2	0.2	0.2	0.1	2.3
322	CRMS0312-H01	1125	10.5	11.0	3.4	2.3	16.6	3.7	3.3	1.7	0.3	14.4
327	CRMS0367-H01	1278	0.1	0.1	0.0	0.1	0.3	0.3	0.2	0.2	0.0	3.1
329	CRMS0386-H01	1286	12.5	13.1	4.3	2.5	21.0	13.0	12.7	4.3	3.1	27.5
331	CRMS0175-H01	1178	16.7	17.1	3.8	3.8	27.9	16.4	16.3	4.8	3.6	29.4
334	07381355	819	0.1	0.1	0.0	0.1	0.2	0.3	0.2	0.3	0.1	4.7
335	CRMS0397-H01	1075	20.3	21.3	4.8	8.7	36.0	15.8	16.0	3.6	6.7	23.6
339	CRMS0331-H01	1167	0.1	0.1	0.0	0.1	0.2	0.4	0.3	0.3	0.1	2.9
344	CRMS0164-H01	1197	20.4	20.9	3.6	8.3	29.9	21.2	21.3	3.7	10.3	30.1
345	CRMS0310-H01	1015	22.2	23.8	4.8	7.1	29.5	18.9	18.7	3.7	7.7	28.3
346	CRMS0416-H01	1281	5.0	4.7	3.4	0.1	13.7	7.3	6.7	3.3	1.4	22.1
350	CRMS0400-H01	1271	0.9	0.3	1.0	0.1	5.1	7.5	6.0	5.3	0.4	23.5
353	CRMS0336-H01	1229	19.9	20.8	4.0	7.5	26.6	19.2	19.3	3.6	10.3	30.4
364	CRMS3296-H01	231	13.4	14.1	3.1	3.7	19.4	12.3	12.3	2.6	4.6	20.6
371	CRMS0318-H01	1120	24.4	24.8	2.9	15.4	28.7	19.8	20.1	3.1	9.3	26.9
373	CRMS0338-H01	1114	18.5	19.2	3.6	6.3	24.9	18.6	19.1	3.6	8.3	27.4
381	CRMS0315-H01	1145	14.4	15.1	3.4	6.1	20.5	9.7	9.0	3.9	0.9	20.9
399	CRMS0390-H01	977	5.5	5.7	2.5	0.2	11.2	9.4	9.6	2.8	2.3	18.5
419	CRMS0292-H01	1307	28.1	28.3	2.0	18.4	31.9	25.5	25.8	3.7	14.5	33.2
439	CRMS0341-H01	793	21.9	21.8	2.4	16.3	26.5	18.0	18.5	3.9	6.7	28.4
441	CRMS0403-H01	0	-	-	-	-	-	-	-	-	-	-
468	CRMS2887-H01	572	0.2	0.2	0.1	0.1	1.0	0.4	0.2	0.5	0.1	7.7
480	CRMS0381-H01	1134	0.2	0.2	0.3	0.1	2.7	1.8	1.6	1.0	0.3	5.8
494	CRMS0369-H01	910	6.2	5.1	4.2	0.1	19.8	7.1	6.5	4.4	0.9	23.5
497	CRMS0409-H01	712	0.1	0.1	0.3	0.1	5.6	0.3	0.2	0.4	0.1	3.9

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
508	CRMS0434-H01	1079	2.4	1.9	1.9	0.1	14.0	6.2	4.7	5.0	-0.3	24.0
518	CRMS0296-H01	0	-	-	-	-	-	-	-	-	-	-
520	CRMS0411-H01	657	0.3	0.2	0.4	0.1	9.4	0.4	0.2	1.2	-0.1	9.2
524	CRMS2785-H01	1094	0.2	0.2	0.2	0.1	4.3	0.3	0.2	0.4	0.1	6.4
525	CRMS2862-H01	694	0.2	0.2	0.1	0.1	1.4	0.3	0.2	0.4	0.1	5.2
535	CRMS0290-H01	712	0.2	0.2	0.4	0.1	10.3	0.3	0.3	0.2	0.1	1.5
539	CRMS0398-H01	0	-	-	-	-	-	-	-	-	-	-
540	CRMS0394-H01	1338	8.7	8.3	4.1	1.1	21.8	5.5	5.4	2.5	0.0	18.0
545	CRMS4900-H01	1038	0.2	0.2	0.0	0.2	0.3	0.2	0.2	0.1	0.1	1.1
551	CRMS0345-H01	1045	14.8	14.6	4.3	1.0	25.0	19.4	20.2	5.0	4.6	36.5
556	CRMS0327-H01	913	0.2	0.2	0.1	0.1	2.9	0.3	0.2	0.4	0.1	6.2
557	CRMS0329-H01	674	0.2	0.2	0.1	0.1	2.5	0.3	0.2	0.6	0.1	7.3
560	CRMS4045-H01	497	2.0	1.3	1.9	0.2	7.6	1.2	0.6	1.8	-0.3	20.1
561	CRMS0307-H01	904	9.1	7.8	4.6	1.2	22.0	9.7	9.7	4.2	1.8	18.7
564	CRMS0354-H01	1191	3.6	2.8	2.6	0.3	12.6	3.9	3.2	3.3	0.2	19.4
567	CRMS0371-H01	1141	0.2	0.2	0.1	0.1	3.0	0.3	0.2	0.5	0.1	8.5
575	CRMS0374-H01	1100	18.3	18.6	5.1	4.1	32.1	20.3	20.7	4.2	6.0	34.1
578	CRMS0461-H01	1125	0.2	0.2	0.1	0.1	3.7	0.2	0.2	0.1	-1.0	1.4
583	CRMS0332-H01	1126	4.6	3.8	3.5	0.1	18.8	6.9	6.1	4.7	0.3	23.6
585	07381349	684	11.8	11.4	5.2	2.9	25.6	10.9	11.3	5.1	0.6	23.2
587	CRMS5992-H01	760	0.3	0.2	0.7	0.1	14.4	0.3	0.2	0.2	0.1	2.6
588	CRMS0365-H01	595	0.2	0.2	0.0	0.1	0.4	0.2	0.2	0.0	0.1	0.3
591	CRMS4782-H01	658	0.2	0.2	0.1	0.1	1.5	0.2	0.2	0.6	0.1	12.7
596	CRMS0513-H01	1204	0.4	0.2	0.5	0.1	5.7	0.7	0.6	0.2	0.2	2.7
599	073813498	319	22.4	23.7	5.6	6.7	32.5	23.6	25.2	5.6	6.8	32.5
600	CRMS4779-H01	633	0.2	0.2	0.5	0.1	12.1	0.3	0.2	0.2	0.1	1.8
601	CRMS0399-H01	1033	5.5	4.5	4.0	0.2	21.4	4.9	4.6	3.4	0.4	16.7

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
607	CRMS0488-H01	1121	0.2	0.1	0.1	0.1	4.4	0.4	0.4	0.2	0.1	1.6
609	CRMS0302-H01	1022	13.8	13.6	5.0	3.0	30.1	21.1	22.0	5.4	3.2	33.6
611	CRMS0463-H01	1051	0.2	0.2	0.1	0.1	1.8	0.3	0.2	0.4	0.1	8.0
615	CRMS0303-H01	1230	11.1	10.4	5.1	1.2	26.7	12.4	12.5	4.7	2.1	27.5
617	CRMS0326-H01	1222	7.7	6.8	4.7	0.3	25.0	8.4	8.3	4.2	0.9	22.6
619	CRMS0305-H01	959	0.3	0.2	0.3	0.2	2.8	1.2	0.5	1.9	0.1	13.2
625	CRMS0377-H01	906	14.2	13.1	5.8	3.0	27.9	14.2	14.6	4.7	3.0	28.4
628	CRMS6304-H01	155	0.2	0.2	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.5
633	CRMS0544-H01	941	0.6	0.3	0.6	0.2	4.3	1.7	1.5	0.7	0.3	6.3
634	CRMS0543-H01	1020	2.0	1.4	1.6	0.4	7.6	0.4	0.3	0.3	0.0	1.9
635	CRMS0464-H01	737	0.2	0.2	0.2	0.2	3.5	0.2	0.2	0.6	0.0	12.6
647	CRMS0322-H01	1137	6.0	5.1	4.2	0.1	20.5	15.3	15.6	4.8	2.8	26.4
674	CRMS0489-H01	1205	3.4	2.5	2.5	0.4	10.0	1.0	0.5	1.5	0.1	18.9
680	CRMS0293-H01	1244	2.2	1.3	2.3	0.1	12.8	9.4	9.1	4.4	1.5	24.4
692	CRMS0493-H01	705	2.5	2.0	1.7	0.6	8.9	0.4	0.2	0.4	0.1	5.6
724	CRMS0527-H01	697	5.2	5.3	3.2	1.1	13.6	3.3	2.8	2.3	0.3	12.9
728	CRMS1650-H01	666	4.4	4.0	2.4	0.9	9.8	3.3	2.9	2.0	0.3	8.4
736	CRMS0499-H01	753	5.8	5.2	3.3	1.7	14.1	5.5	5.0	2.3	1.2	11.9
752	CRMS0541-H01	509	8.1	7.0	3.8	2.6	17.5	7.3	6.7	4.6	0.9	25.9
759	CRMS0616-H01	1160	5.0	4.9	2.5	0.8	16.2	4.5	4.2	1.6	0.7	10.2
760	CRMS0507-H01	647	5.5	5.5	3.0	0.8	12.5	6.2	5.9	4.2	0.5	18.8
763	CRMS0565-H01	583	2.4	2.6	0.8	1.3	3.4	1.2	0.8	1.0	0.2	4.9
764	CRMS0508-H01	663	6.9	6.8	3.6	1.4	13.9	5.8	5.5	3.2	0.6	12.9
772	CRMS0501-H01	681	7.3	7.1	3.8	1.8	15.5	5.2	4.9	2.8	1.1	12.1
776	CRMS1130-H01	477	2.6	3.0	0.8	1.3	3.4	3.2	3.0	2.0	0.4	7.6
782	CRMS0633-H01	743	7.1	5.4	5.1	0.2	23.3	6.0	5.4	3.3	0.6	20.2
785	CRMS1100-H01	673	2.5	3.0	0.9	1.3	3.4	3.6	3.1	2.3	0.8	8.6

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ICM Compartment	Station	# Observations	Predicted					Observed				
			Mean	Median	StDev	Min	Max	Mean	Median	StDev	Min	Max
789	CRMS0554-H01	879	2.2	1.4	1.5	0.6	6.5	1.7	0.7	1.5	0.2	5.2
796	CRMS0590-H01	1183	1.1	0.5	1.5	0.1	14.7	0.8	0.3	1.0	0.0	4.9
799	CRMS0576-H01	689	9.8	10.5	4.2	3.5	28.6	8.3	7.4	3.8	1.9	18.5
808	CRMS0562-H01	620	1.6	1.3	1.2	0.1	5.8	3.0	1.9	2.5	0.3	8.9
812	CRMS0583-H01	806	2.2	1.2	3.6	0.2	33.8	4.6	3.5	2.8	1.3	11.7
814	CRMS0609-H01	667	7.3	7.4	5.0	0.1	25.5	11.8	12.2	6.6	0.7	24.7
817	CRMS0584-H01	1118	3.9	2.7	3.9	0.1	22.3	6.7	4.8	4.8	1.0	20.5
826	CRMS0553-H01	977	1.7	0.1	4.1	0.1	36.0	4.5	2.6	4.5	0.4	18.9
827	CRMS0587-H01	807	4.8	3.5	4.9	0.1	35.9	5.0	4.0	4.3	0.5	17.0
831	CRMS0614-H01	798	18.1	18.1	2.5	12.8	28.6	18.6	17.3	6.9	8.7	73.9
852	CRMS0687-H01	670	15.9	17.3	3.1	8.5	20.4	14.9	16.0	5.6	2.3	26.7
856	CRMS0645-H01	821	15.8	16.5	2.9	8.4	25.1	11.5	12.3	5.1	1.4	21.8
863	CRMS0685-H01	1214	15.5	15.9	3.3	6.8	28.4	16.2	15.8	6.4	3.6	57.3
868	CRMS0697-H01	593	1.2	0.4	1.6	0.1	6.6	4.3	3.6	3.6	0.1	20.1
869	CRMS0658-H01	646	5.3	4.3	2.3	2.1	10.7	4.3	2.3	4.0	0.2	17.2
874	08017118	661	26.5	27.0	2.4	17.7	32.2	19.2	19.8	5.5	6.2	36.6
893	CRMS0655-H01	696	18.1	18.3	2.2	13.9	22.2	16.0	15.8	5.1	6.1	28.3
896	CRMS0638-H01	45	5.8	5.1	1.1	4.6	7.8	2.9	2.3	1.1	1.7	5.2
898	CRMS0693-H01	780	6.9	6.1	2.4	4.0	12.8	4.1	3.4	1.8	0.0	9.1
899	CRMS0662-H01	458	5.9	5.8	1.6	3.2	16.6	2.7	1.7	2.9	0.2	14.8
906	CRMS0660-H01	1234	6.4	6.1	2.1	3.2	11.7	6.1	4.4	4.6	1.0	20.9
907	CRMS0661-H01	654	4.2	3.1	3.1	0.8	11.6	6.2	4.7	5.0	0.7	19.4
916	CRMS0684-H01	563	8.4	8.6	2.9	2.5	13.1	6.4	5.9	3.7	0.5	15.1

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Table 4: Model Performance for Mean Daily Salinity (ppt) 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	780	4.9	-0.9	4.3	-0.9	3.0	-0.8	2.2	-1.2
22	CRMS0003-H01	792	5.0	-1.0	4.6	-1.1	3.3	-1.0	2.4	-1.2
23	CRMS6088-H01	814	2.5	-1.2	2.3	-1.2	1.8	-1.2	2.2	-1.8
25	CRMS0035-H01	834	0.8	-0.1	0.6	-0.1	0.5	-0.1	0.1	-0.1
28	CRMS1024-H01	646	4.7	-0.8	4.6	-0.8	2.9	-0.7	1.4	-0.6
30	CRMS4110-H01	697	2.0	1.2	1.9	1.2	1.4	1.2	2.0	2.0
32	CRMS0108-H01	641	4.9	-0.3	4.8	-0.3	3.2	-0.1	3.2	1.5
35	CRMS3784-H01	705	3.3	-0.2	3.1	-0.1	2.0	-0.2	1.3	-0.1
36	CRMS0006-H01	588	2.1	-1.1	2.1	-1.2	1.4	-1.2	1.2	-0.6
37	CRMS0002-H01	807	2.7	-0.6	2.6	-0.6	1.9	-0.5	1.7	0.1
42	CRMS4557-H01	706	5.1	0.9	4.8	1.0	3.3	1.1	2.3	1.0
46	CRMS4548-H01	688	3.8	-2.9	3.6	-2.8	2.5	-2.8	2.1	-2.8
48	CRMS4094-H01	449	1.2	-0.8	1.1	-0.8	0.6	-0.8	0.5	-0.6
53	CRMS4551-H01	676	4.8	-4.0	4.7	-4.0	3.2	-3.9	2.9	-4.0
56	CRMS0103-H01	794	1.3	-0.7	1.0	-0.7	0.7	-0.7	0.8	-0.8
62	CRMS0161-H01	885	4.5	1.6	3.8	1.6	2.5	1.5	1.8	1.8
66	CRMS3639-H01	722	2.7	-0.3	2.1	-0.3	1.4	-0.3	0.7	0.1
67	07374526	572	7.1	1.2	7.1	0.8	5.0	0.4	3.3	2.0
71	073745257	785	6.0	3.1	6.1	3.3	4.3	3.1	6.6	5.6
72	CRMS4355-H01	345	1.9	0.3	1.9	0.3	0.9	0.2	0.2	0.3
76	CRMS2627-H01	512	1.0	0.4	0.9	0.4	0.5	0.4	0.3	0.4
77	CRMS2614-H01	880	2.1	0.1	1.6	0.2	1.1	0.2	0.3	0.2
80	CRMS0034-H01	929	2.1	-1.7	1.9	-1.7	1.5	-1.6	1.4	-1.6
82	07374527	625	7.5	2.3	8.0	1.2	6.0	0.1	4.0	3.0
83	295124089542100	788	3.2	1.2	3.2	1.2	2.2	1.1	4.0	2.8
90	CRMS0153-H01	766	2.8	0.1	2.1	0.1	1.4	0.1	1.0	-0.6

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
92	CRMS4448-H01	673	0.9	0.0	0.8	0.0	0.4	0.0	0.1	0.0
97	CRMS0046-H01	837	0.4	0.1	0.3	0.1	0.2	0.1	0.1	0.1
103	CRMS0117-H01	0	-	-	-	-	-	-	-	-
105	CRMS0157-H01	898	0.9	0.2	0.8	0.2	0.6	0.2	0.2	0.2
107	CRMS0121-H01	551	4.6	1.3	4.6	1.5	3.2	1.7	5.2	3.8
110	CRMS0139-H01	649	1.1	0.0	0.6	0.0	0.4	0.1	0.2	-0.1
111	073745258	711	6.4	1.5	6.3	1.6	4.5	1.4	5.2	3.4
115	CRMS2608-H01	175	0.3	0.2	0.3	0.2	0.1	0.2	0.1	0.2
116	CRMS0135-H01	1234	5.4	3.0	5.4	3.1	4.9	2.8	3.6	3.0
120	CRMS0129-H01	935	7.5	3.4	7.3	3.5	5.7	3.5	4.9	4.1
134	CRMS0115-H01	266	1.3	0.6	1.3	0.6	0.5	0.6	0.3	0.6
135	CRMS0118-H01	945	2.2	1.1	2.0	1.1	1.6	1.1	1.5	1.4
136	CRMS3913-H01	582	0.6	-0.2	0.5	-0.2	0.3	-0.2	0.3	-0.2
152	CRMS0125-H01	609	2.4	-0.7	2.3	-0.7	1.5	-0.7	1.1	-0.8
155	CRMS0136-H01	1202	5.2	2.2	5.1	2.1	4.6	2.0	3.2	2.2
156	CRMS0159-H01	887	3.9	2.1	3.8	2.1	2.8	2.0	2.3	2.4
166	CRMS0132-H01	794	4.4	0.2	4.4	0.3	3.3	0.4	4.7	2.6
186	CRMS2830-H01	687	2.9	0.6	2.9	0.6	2.0	0.5	0.7	0.6
191	CRMS0163-H01	885	2.5	0.6	2.2	0.6	1.6	0.6	0.6	0.6
197	CRMS0173-H01	1303	4.8	1.0	4.6	1.0	4.2	1.0	2.8	0.5
198	CRMS0272-H01	773	4.6	0.1	4.3	0.1	3.0	0.1	1.1	0.4
208	CRMS3680-H01	703	4.9	2.3	4.8	2.3	3.3	2.0	1.8	2.3
215	CRMS5267-H01	131	0.7	-0.5	0.7	-0.6	0.3	-0.6	0.3	-0.5
216	CRMS0260-H01	865	6.0	4.8	5.8	4.8	4.5	4.7	4.8	5.3
223	CRMS0287-H01	638	3.7	3.0	3.5	2.9	2.4	2.9	2.1	3.0
225	CRMS0276-H01	602	4.5	3.6	4.4	3.5	2.8	3.5	2.5	3.6
227	CRMS4529-H01	891	5.0	2.8	4.8	2.8	3.6	2.7	2.9	3.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
231	CRMS0174-H01	1201	5.0	0.4	4.8	0.5	4.3	0.5	2.1	-0.1
234	CRMS0263-H01	754	4.5	3.3	4.4	3.4	3.1	3.3	2.9	3.4
236	CRMS0063-H01	843	0.5	0.0	0.3	0.0	0.2	0.0	0.1	0.0
238	CRMS0226-H01	1139	5.2	2.5	5.0	2.6	4.4	2.4	3.9	1.9
239	CRMS0181-H01	800	5.0	0.5	4.2	0.7	2.9	0.8	1.3	0.9
243	CRMS3166-H01	658	0.1	-0.1	0.1	-0.1	0.1	-0.1	0.0	-0.1
246	CRMS4103-H01	618	3.2	2.5	3.1	2.6	2.1	2.5	1.8	2.6
247	CRMS3617-H01	841	4.4	3.2	4.2	3.2	3.1	3.2	3.2	3.6
248	CRMS0188-H01	1216	1.2	0.7	1.2	0.7	1.1	0.7	0.9	0.8
252	CRMS0172-H01	953	5.4	-0.4	4.2	-0.3	3.0	-0.4	0.7	-0.4
256	CRMS3985-H01	570	1.9	0.5	1.7	0.5	1.1	0.4	0.6	0.3
258	CRMS0008-H01	0	-	-	-	-	-	-	-	-
259	CRMS0251-H01	1275	4.4	2.1	4.1	2.1	3.7	2.1	3.4	1.5
260	CRMS3590-H01	759	5.9	4.6	5.6	4.6	3.9	4.5	3.5	3.9
261	CRMS0059-H01	0	-	-	-	-	-	-	-	-
264	CRMS0220-H01	1267	3.3	0.7	3.1	0.7	2.8	0.7	2.8	0.1
266	CRMS0176-H01	1146	6.6	3.0	6.3	3.0	5.4	2.9	3.8	2.5
277	CRMS4245-H01	538	1.5	0.6	1.7	0.4	1.1	0.4	0.6	0.4
278	292859090004000	680	4.5	1.9	3.9	1.9	2.7	2.0	1.7	1.9
280	07380251	406	6.6	4.5	6.1	4.7	3.1	4.1	3.8	4.3
283	CRMS0192-H01	0	-	-	-	-	-	-	-	-
285	292800090060000	778	3.4	1.8	2.8	1.7	1.9	1.7	1.8	2.0
286	CRMS5167-H01	754	1.4	0.1	0.5	0.0	0.4	0.0	0.1	0.0
287	CRMS3054-H01	749	1.2	1.0	1.2	1.0	0.9	1.0	1.9	1.8
296	07381235	635	1.2	0.8	1.1	0.8	0.7	0.8	0.8	0.9
297	CRMS0268-H01	1266	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.0
298	CRMS3136-H01	596	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
306	07381235	635	0.5	-0.2	0.5	-0.2	0.3	-0.2	0.4	-0.3
307	CRMS0178-H01	982	8.4	7.4	8.0	7.4	6.4	7.3	6.4	7.3
315	07381350	704	0.2	-0.1	0.1	-0.1	0.1	-0.1	0.1	-0.1
322	CRMS0312-H01	1125	7.4	6.8	7.3	6.8	6.9	6.6	6.8	6.7
327	CRMS0367-H01	1278	0.3	-0.1	0.2	-0.1	0.2	-0.1	0.2	-0.2
329	CRMS0386-H01	1286	3.5	-0.5	3.3	-0.5	3.0	-0.6	1.8	-0.8
331	CRMS0175-H01	1178	4.2	0.3	4.0	0.3	3.5	0.3	3.2	-0.3
334	07381355	819	0.3	-0.2	0.2	-0.2	0.2	-0.2	0.1	-0.2
335	CRMS0397-H01	1075	6.3	4.5	6.1	4.5	5.4	4.4	4.8	4.2
339	CRMS0331-H01	1167	0.4	-0.2	0.4	-0.2	0.3	-0.2	0.3	-0.3
344	CRMS0164-H01	1197	3.9	-0.7	3.7	-0.8	3.2	-0.7	2.7	-1.2
345	CRMS0310-H01	1015	5.2	3.3	5.1	3.3	4.3	3.3	3.1	2.5
346	CRMS0416-H01	1281	4.1	-2.3	3.9	-2.4	3.5	-2.4	2.5	-2.4
350	CRMS0400-H01	1271	8.2	-6.6	7.9	-6.5	7.6	-6.4	7.0	-6.7
353	CRMS0336-H01	1229	3.5	0.7	3.3	0.6	3.0	0.5	2.0	0.3
364	CRMS3296-H01	231	2.3	1.1	1.8	1.1	0.5	1.1	0.6	1.1
371	CRMS0318-H01	1120	5.4	4.6	5.3	4.5	4.6	4.5	4.5	4.1
373	CRMS0338-H01	1114	3.2	-0.1	2.9	-0.1	2.4	-0.2	1.4	-0.2
381	CRMS0315-H01	1145	5.6	4.7	5.5	4.7	5.0	4.7	4.9	4.5
399	CRMS0390-H01	977	4.2	-3.8	4.1	-3.9	3.7	-3.8	4.0	-3.9
419	CRMS0292-H01	1307	4.4	2.6	4.0	2.5	3.6	2.5	3.0	2.4
439	CRMS0341-H01	793	5.3	3.9	5.1	3.8	3.8	3.6	3.6	3.3
441	CRMS0403-H01	0	-	-	-	-	-	-	-	-
468	CRMS2887-H01	572	0.5	-0.2	0.4	-0.2	0.2	-0.2	0.2	-0.2
480	CRMS0381-H01	1134	1.8	-1.6	1.8	-1.6	1.7	-1.6	1.9	-1.8
494	CRMS0369-H01	910	4.6	-0.9	3.8	-0.9	3.0	-1.2	1.9	-1.3
497	CRMS0409-H01	712	0.3	-0.1	0.3	-0.1	0.2	-0.1	0.1	-0.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
508	CRMS0434-H01	1079	5.5	-3.8	4.9	-3.8	4.4	-3.9	4.1	-3.8
518	CRMS0296-H01	0	-	-	-	-	-	-	-	-
520	CRMS0411-H01	657	1.1	-0.2	0.9	-0.2	0.5	-0.2	0.2	-0.2
524	CRMS2785-H01	1094	0.4	-0.1	0.3	-0.1	0.2	-0.1	0.1	-0.1
525	CRMS2862-H01	694	0.4	-0.1	0.3	-0.1	0.2	-0.1	0.1	-0.1
535	CRMS0290-H01	712	0.4	-0.1	0.2	-0.1	0.1	-0.1	0.1	-0.1
539	CRMS0398-H01	0	-	-	-	-	-	-	-	-
540	CRMS0394-H01	1338	4.6	3.2	4.5	3.2	4.4	3.2	3.3	3.1
545	CRMS4900-H01	1038	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
551	CRMS0345-H01	1045	6.8	-4.6	6.9	-4.8	6.3	-5.2	8.1	-6.7
556	CRMS0327-H01	913	0.4	-0.1	0.3	-0.1	0.2	-0.1	0.1	-0.1
557	CRMS0329-H01	674	0.6	-0.1	0.5	-0.1	0.3	-0.1	0.1	-0.1
560	CRMS4045-H01	497	1.9	0.8	1.6	0.7	0.9	0.7	0.6	0.8
561	CRMS0307-H01	904	3.6	-0.6	3.4	-0.6	2.6	-0.6	2.0	-0.9
564	CRMS0354-H01	1191	3.0	-0.4	2.7	-0.4	2.4	-0.4	1.4	-0.4
567	CRMS0371-H01	1141	0.5	-0.1	0.4	-0.1	0.3	-0.1	0.2	-0.1
575	CRMS0374-H01	1100	5.8	-2.0	5.2	-2.0	4.2	-1.8	3.2	-2.2
578	CRMS0461-H01	1125	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
583	CRMS0332-H01	1126	4.8	-2.3	4.7	-2.5	4.4	-2.8	3.1	-2.6
585	07381349	684	4.1	0.9	3.6	1.0	2.4	1.0	0.9	0.9
587	CRMS5992-H01	760	0.6	0.0	0.2	0.0	0.1	0.0	0.2	0.1
588	CRMS0365-H01	595	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
591	CRMS4782-H01	658	0.5	0.0	0.2	0.0	0.1	0.0	0.0	0.0
596	CRMS0513-H01	1204	0.6	-0.2	0.5	-0.2	0.5	-0.2	0.3	-0.2
599	073813498	319	6.7	-1.2	5.8	-0.7	3.4	-1.4	2.1	-1.3
600	CRMS4779-H01	633	0.5	0.0	0.2	0.0	0.1	0.0	0.1	0.0
601	CRMS0399-H01	1033	3.9	0.6	3.3	0.5	2.6	0.5	1.1	0.3

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
607	CRMS0488-H01	1121	0.4	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.3
609	CRMS0302-H01	1022	8.8	-7.3	8.7	-7.4	7.5	-7.4	7.6	-7.4
611	CRMS0463-H01	1051	0.4	-0.1	0.3	-0.1	0.3	-0.1	0.1	-0.1
615	CRMS0303-H01	1230	5.4	-1.3	4.8	-1.3	4.2	-1.5	2.8	-1.8
617	CRMS0326-H01	1222	4.9	-0.7	4.5	-0.8	4.0	-0.8	1.5	-0.8
619	CRMS0305-H01	959	2.0	-0.9	1.7	-0.9	1.2	-0.9	1.0	-0.9
625	CRMS0377-H01	906	5.2	0.0	4.6	-0.1	3.1	-0.1	1.7	-0.5
628	CRMS6304-H01	155	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
633	CRMS0544-H01	941	1.1	-1.1	1.1	-1.1	1.0	-1.1	1.0	-1.0
634	CRMS0543-H01	1020	2.2	1.6	2.2	1.7	2.0	1.7	2.2	1.8
635	CRMS0464-H01	737	0.5	0.0	0.4	0.0	0.3	-0.1	0.1	0.0
647	CRMS0322-H01	1137	10.6	-9.3	10.3	-9.2	9.3	-9.1	9.4	-9.3
674	CRMS0489-H01	1205	3.1	2.3	3.0	2.3	2.7	2.3	3.1	2.6
680	CRMS0293-H01	1244	8.4	-7.2	8.2	-7.2	7.5	-7.2	7.3	-7.3
692	CRMS0493-H01	705	2.6	2.1	2.6	2.1	1.9	2.1	3.4	3.3
724	CRMS0527-H01	697	4.4	1.9	4.3	1.9	3.2	2.1	4.0	3.1
728	CRMS1650-H01	666	3.2	1.1	3.3	1.3	2.4	1.4	3.5	2.7
736	CRMS0499-H01	753	3.2	0.4	3.2	0.5	2.3	0.5	2.2	1.1
752	CRMS0541-H01	509	6.6	0.8	6.3	0.9	3.8	0.6	2.7	1.9
759	CRMS0616-H01	1160	2.0	0.5	1.9	0.6	1.8	0.6	1.1	0.6
760	CRMS0507-H01	647	4.0	-0.8	3.9	-0.7	2.6	-0.8	1.6	-0.5
763	CRMS0565-H01	583	1.4	1.1	1.4	1.1	0.9	1.1	0.8	1.1
764	CRMS0508-H01	663	3.7	1.1	3.7	1.0	2.5	1.1	1.8	1.2
772	CRMS0501-H01	681	4.6	2.1	4.6	2.2	3.2	2.3	2.5	2.3
776	CRMS1130-H01	477	1.5	-0.6	1.6	-0.7	1.0	-0.7	0.4	-0.6
782	CRMS0633-H01	743	5.5	1.1	5.0	1.0	3.5	1.0	1.8	1.2
785	CRMS1100-H01	673	2.0	-1.0	1.9	-1.1	1.3	-1.1	0.8	-1.1

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ICM Compartment	Station	# Observations	Daily RMSE	Daily Bias	Two-week RMSE	Two-week Bias	Monthly RMSE	Monthly Bias	Annual RMSE	Annual Bias
789	CRMS0554-H01	879	0.9	0.5	0.9	0.5	0.7	0.5	0.5	0.5
796	CRMS0590-H01	1183	1.0	0.3	0.8	0.3	0.7	0.2	0.4	0.2
799	CRMS0576-H01	689	3.8	1.5	3.3	1.5	2.1	1.5	1.5	1.4
808	CRMS0562-H01	620	2.0	-1.4	2.0	-1.4	1.3	-1.4	1.8	-1.8
812	CRMS0583-H01	806	3.5	-2.4	3.2	-2.3	2.3	-2.3	2.0	-2.1
814	CRMS0609-H01	667	6.7	-4.5	6.0	-4.6	3.8	-4.4	5.5	-6.0
817	CRMS0584-H01	1118	3.9	-2.8	3.8	-2.8	3.3	-2.8	4.2	-3.8
826	CRMS0553-H01	977	5.1	-2.8	4.9	-2.9	4.0	-2.8	2.7	-2.6
827	CRMS0587-H01	807	3.4	-0.2	3.1	-0.1	2.0	-0.1	1.1	0.4
831	CRMS0614-H01	798	6.5	-0.5	5.9	-0.4	4.0	-0.1	1.4	-0.2
852	CRMS0687-H01	670	4.1	1.0	3.7	1.0	2.4	1.1	1.2	0.5
856	CRMS0645-H01	821	5.8	4.3	5.5	4.2	4.1	4.3	4.0	4.6
863	CRMS0685-H01	1214	5.4	-0.6	4.8	-0.7	4.3	-0.8	1.8	-0.7
868	CRMS0697-H01	593	4.1	-3.1	3.9	-3.0	2.5	-3.1	2.2	-3.1
869	CRMS0658-H01	646	2.6	1.0	2.4	1.0	1.5	0.9	0.8	1.0
874	08017118	661	8.9	7.3	8.3	6.6	6.0	6.5	6.2	7.0
893	CRMS0655-H01	696	5.6	2.2	5.8	2.8	4.4	2.9	5.1	4.0
896	CRMS0638-H01	45	2.9	2.9	2.9	2.9	0.6	2.9	1.4	2.9
898	CRMS0693-H01	780	3.3	2.8	3.3	2.8	2.5	2.7	2.6	2.8
899	CRMS0662-H01	458	3.7	3.3	3.6	3.3	2.3	3.2	2.3	3.3
906	CRMS0660-H01	1234	3.2	0.3	3.2	0.3	3.0	0.1	1.5	0.3
907	CRMS0661-H01	654	2.9	-2.0	2.9	-2.0	2.1	-2.1	1.6	-1.4
916	CRMS0684-H01	563	2.8	2.0	2.7	2.0	1.7	2.1	2.3	2.4

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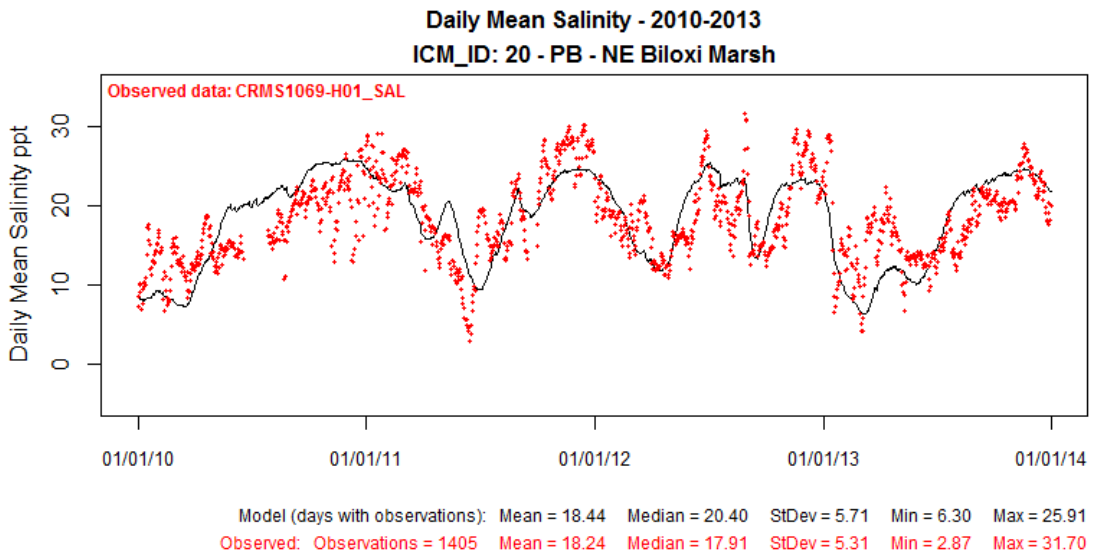

Figure 1: Modeled Salinity (ppt) at ICM Compartment 20 (solid black line) Compared to Observed Data at CRMS1069-H01 for Calibration Period, 2010-2013.

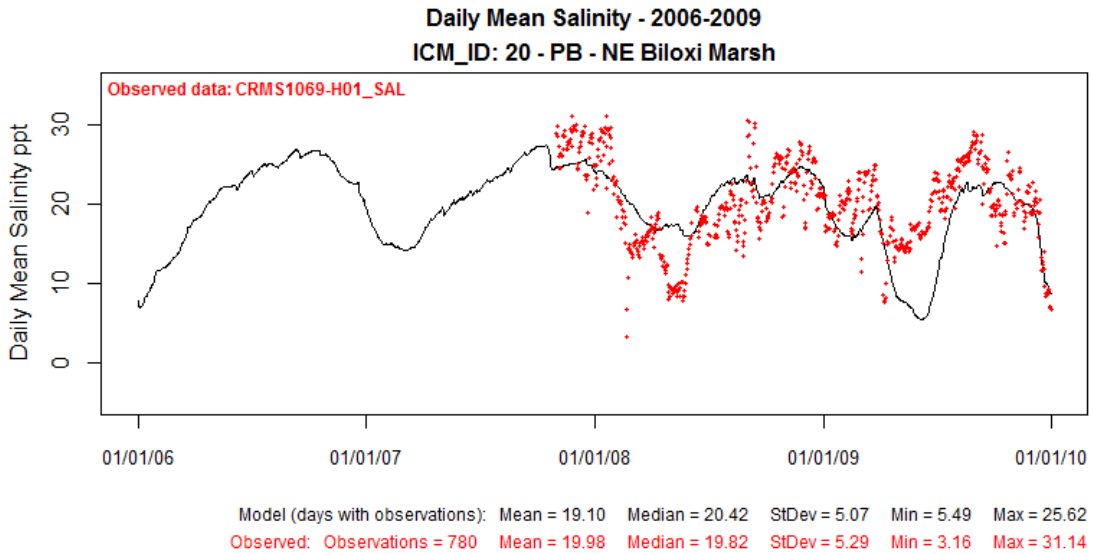

Figure 2: Modeled Salinity (ppt) at ICM Compartment 20 (solid black line) Compared to Observed Data at CRMS1069-H01 for Validation Period, 2006-2009.

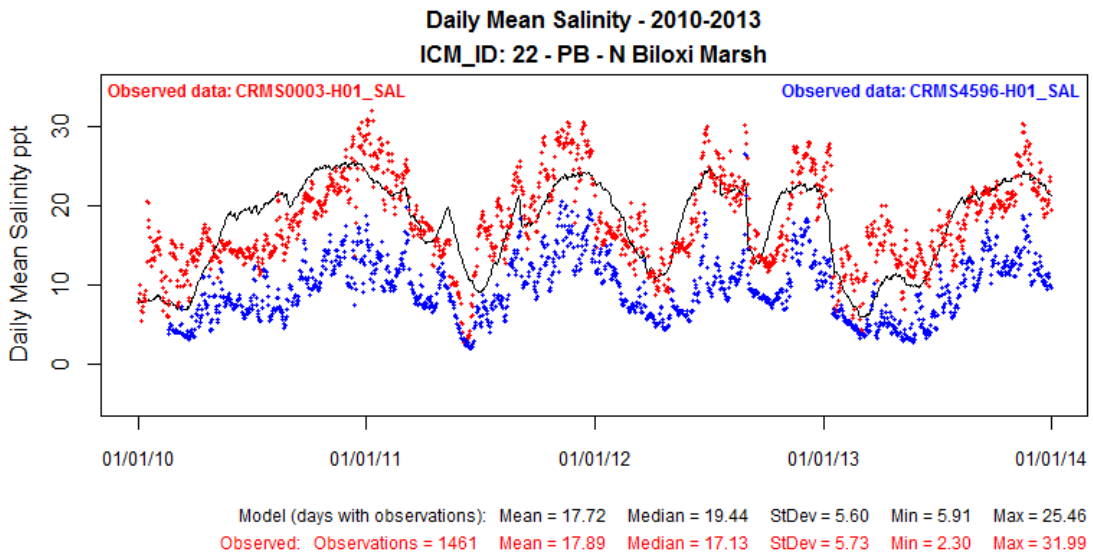

Figure 3: Modeled Salinity (ppt) at ICM Compartment 22 (solid black line) Compared to Observed Data at CRMS0003-H01 for Calibration Period, 2010-2013.

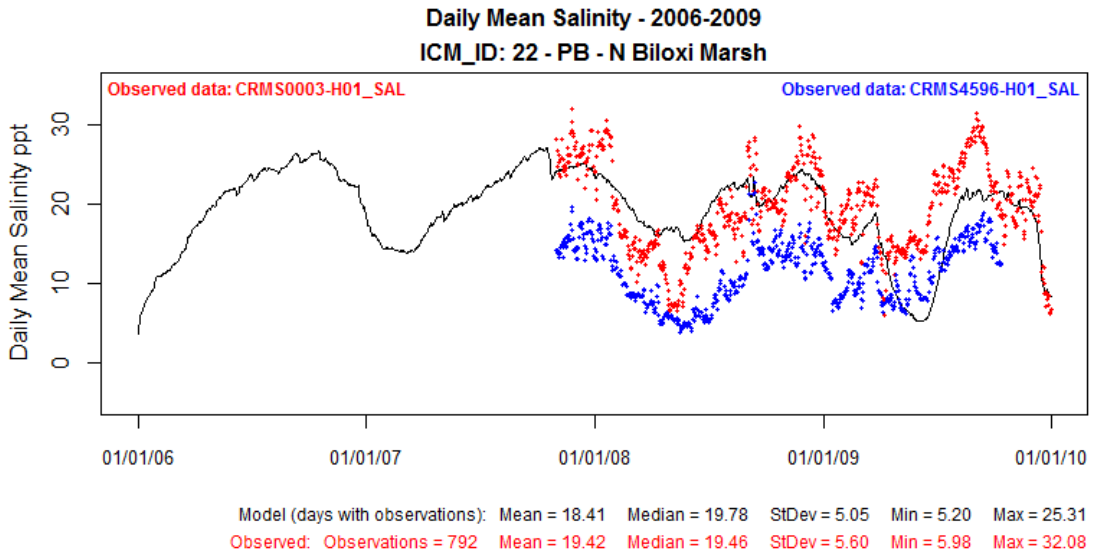

Figure 4: Modeled Salinity (ppt) at ICM Compartment 22 (solid black line) Compared to Observed Data at CRMS0003-H01 for Validation Period, 2006-2009.

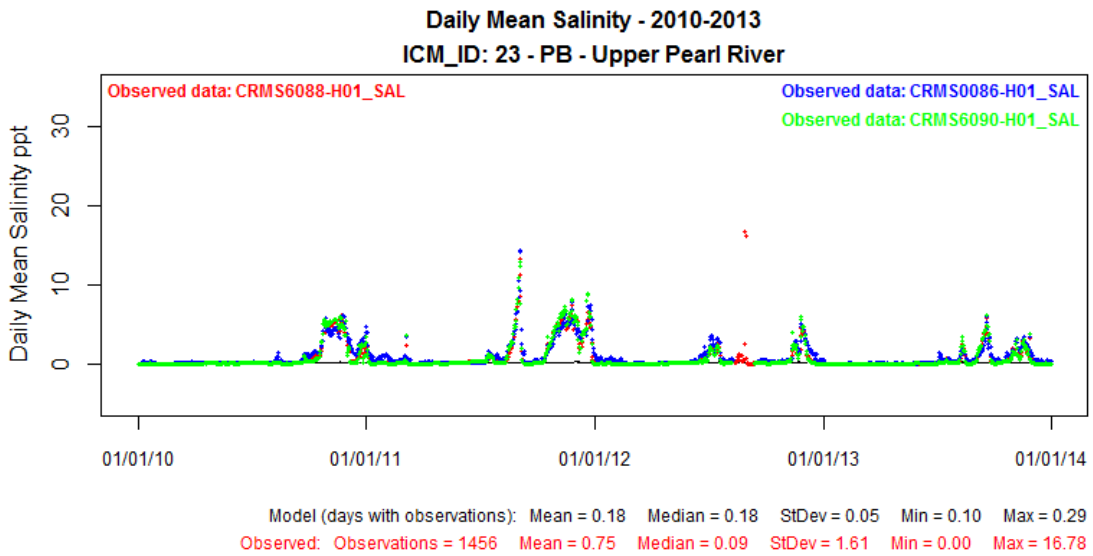

Figure 5: Modeled Salinity (ppt) at ICM Compartment 23 (solid black line) Compared to Observed Data at CRMS6088-H01 for Calibration Period, 2010-2013.

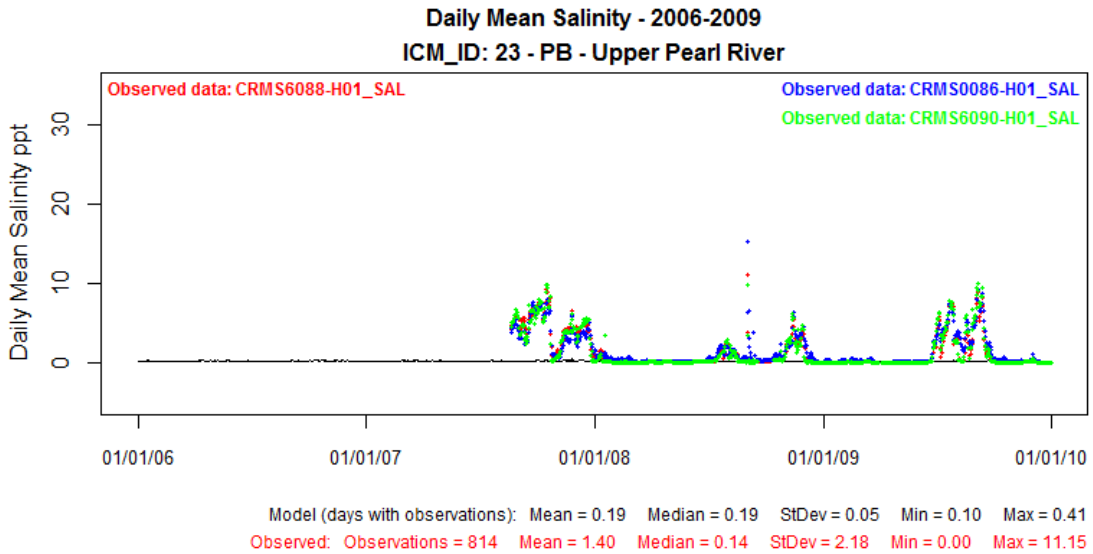

Figure 6: Modeled Salinity (ppt) at ICM Compartment 23 (solid black line) Compared to Observed Data at CRMS6088-H01 for Validation Period, 2006-2009.

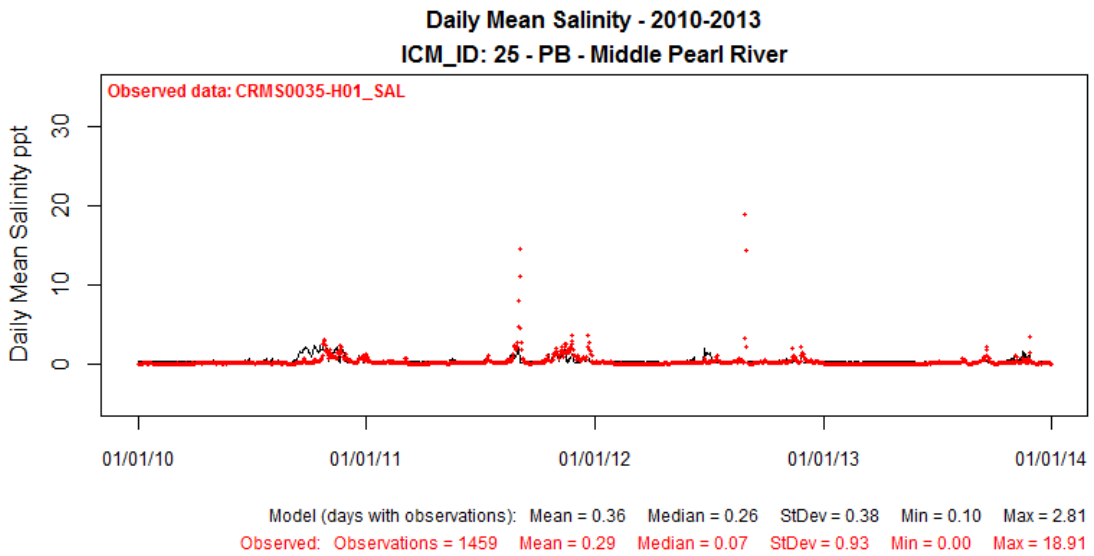

Figure 7: Modeled Salinity (ppt) at ICM Compartment 25 (solid black line) Compared to Observed Data at CRMS0035-H01 for Calibration Period, 2010-2013.

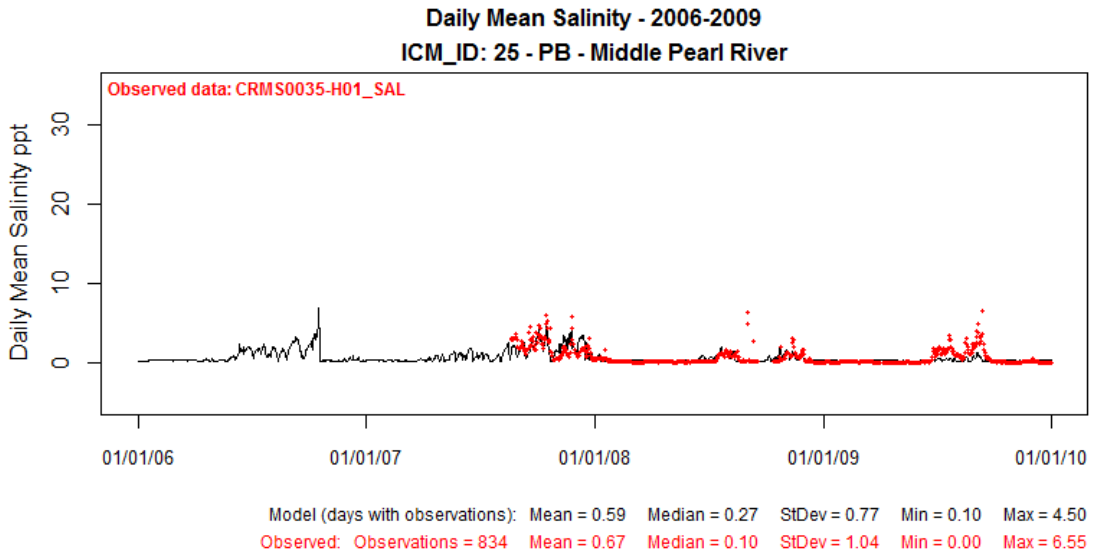

Figure 8: Modeled Salinity (ppt) at ICM Compartment 25 (solid black line) Compared to Observed Data at CRMS0035-H01 for Validation Period, 2006-2009.

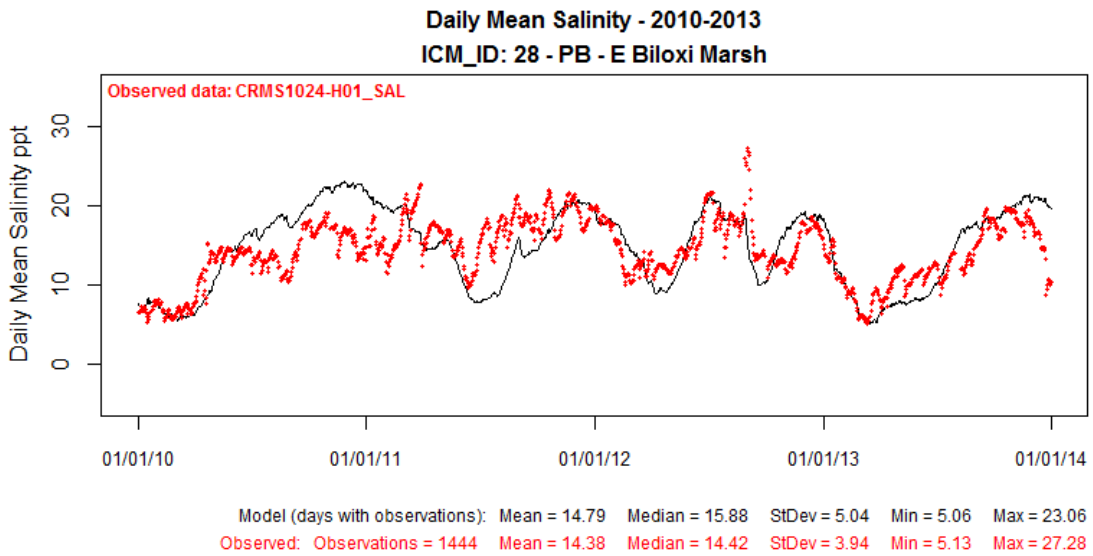

Figure 9: Modeled Salinity (ppt) at ICM Compartment 28 (solid black line) Compared to Observed Data at CRMS1024-H01 for Calibration Period, 2010-2013.

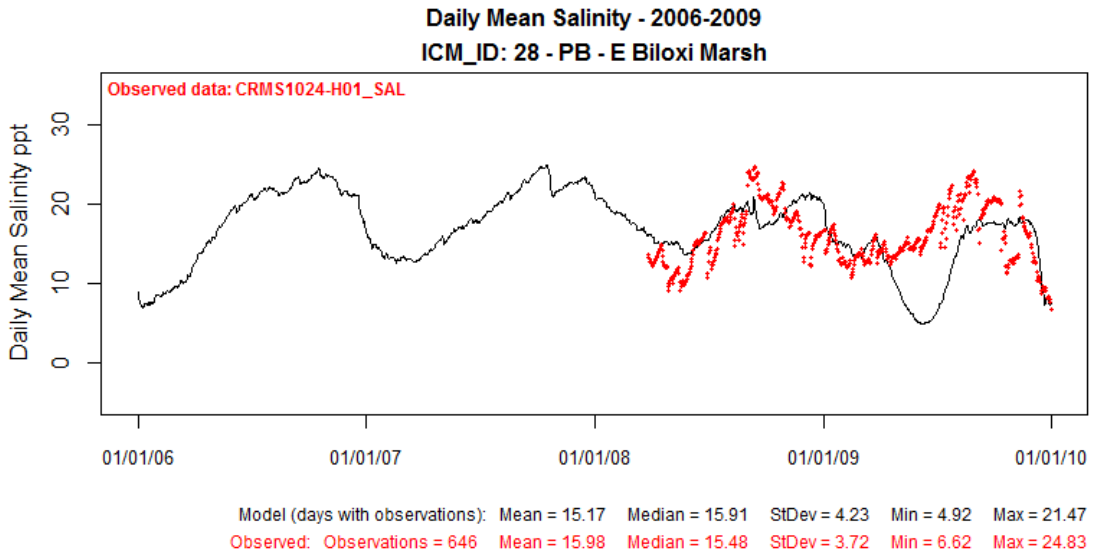

Figure 10: Modeled Salinity (ppt) at ICM Compartment 28 (solid black line) Compared to Observed Data at CRMS1024-H01 for Validation Period, 2006-2009.

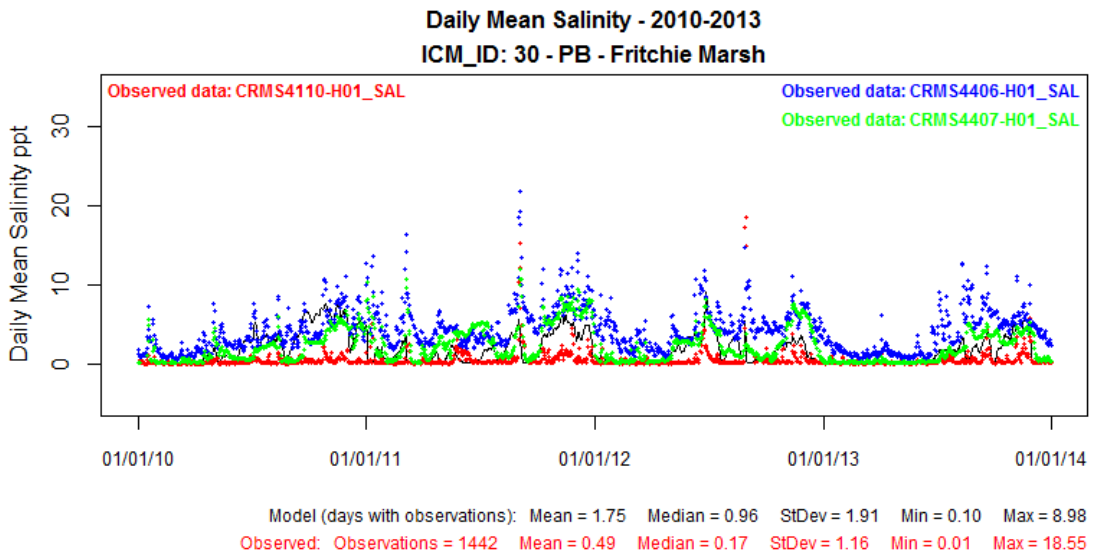

Figure 11: Modeled Salinity (ppt) at ICM Compartment 30 (solid black line) Compared to Observed Data at CRMS4110-H01 for Calibration Period, 2010-2013.

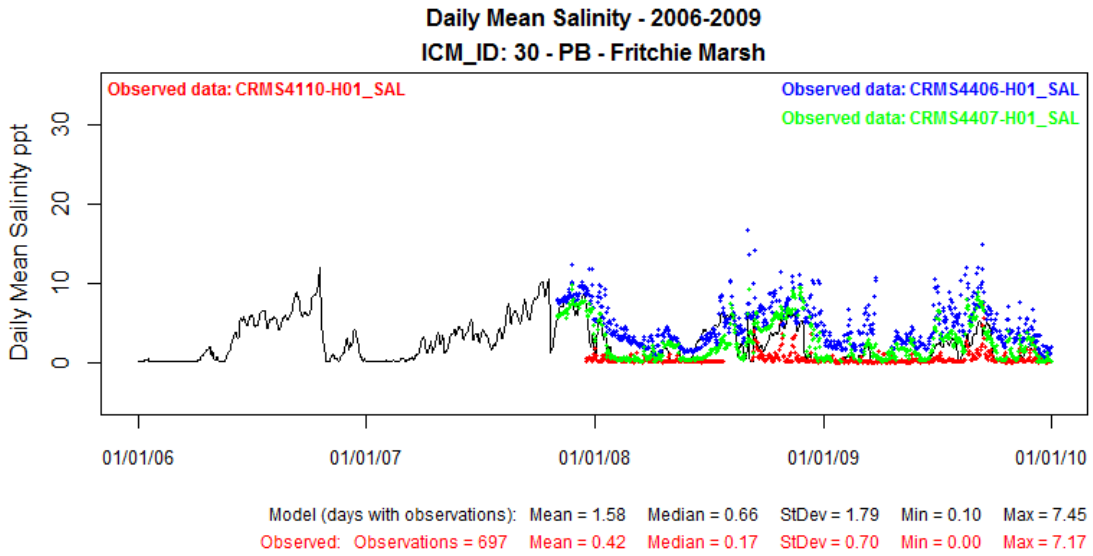

Figure 12: Modeled Salinity (ppt) at ICM Compartment 30 (solid black line) Compared to Observed Data at CRMS4110-H01 for Validation Period, 2006-2009.

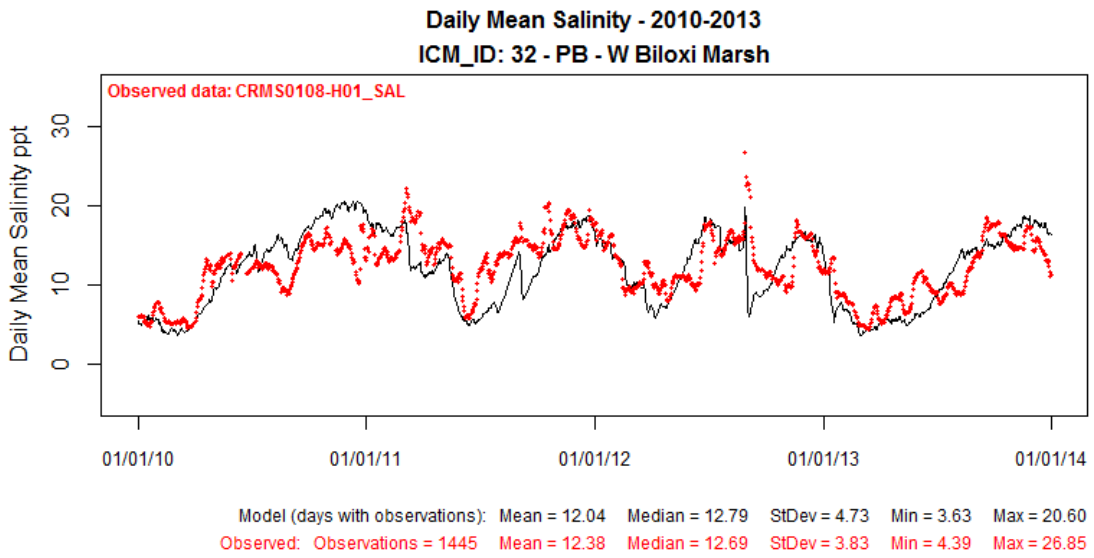

Figure 13: Modeled Salinity (ppt) at ICM Compartment 32 (solid black line) Compared to Observed Data at CRMS0108-H01 for Calibration Period, 2010-2013.

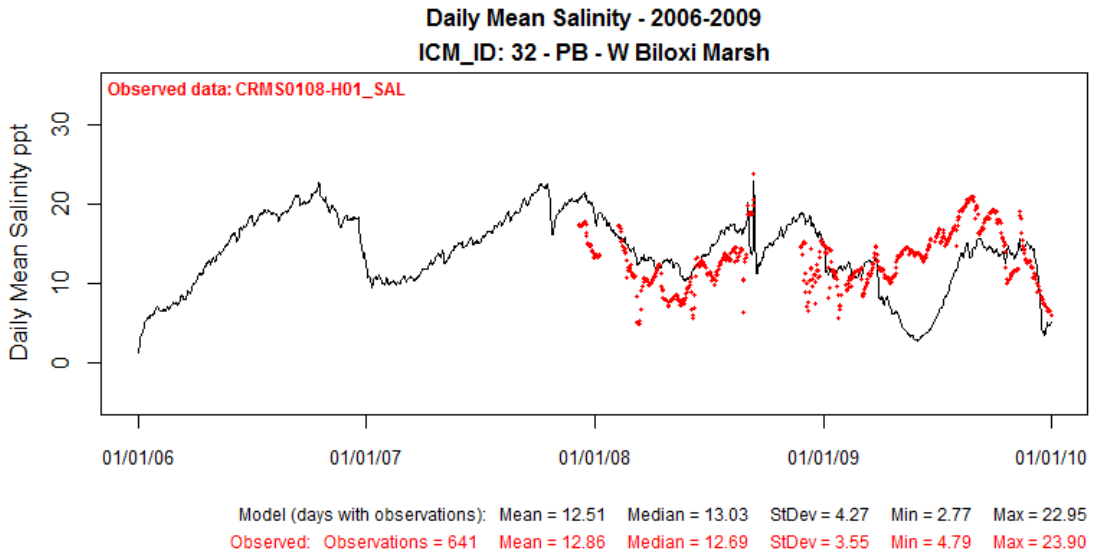

Figure 14: Modeled Salinity (ppt) at ICM Compartment 32 (solid black line) Compared to Observed Data at CRMS0108-H01 for Validation Period, 2006-2009.

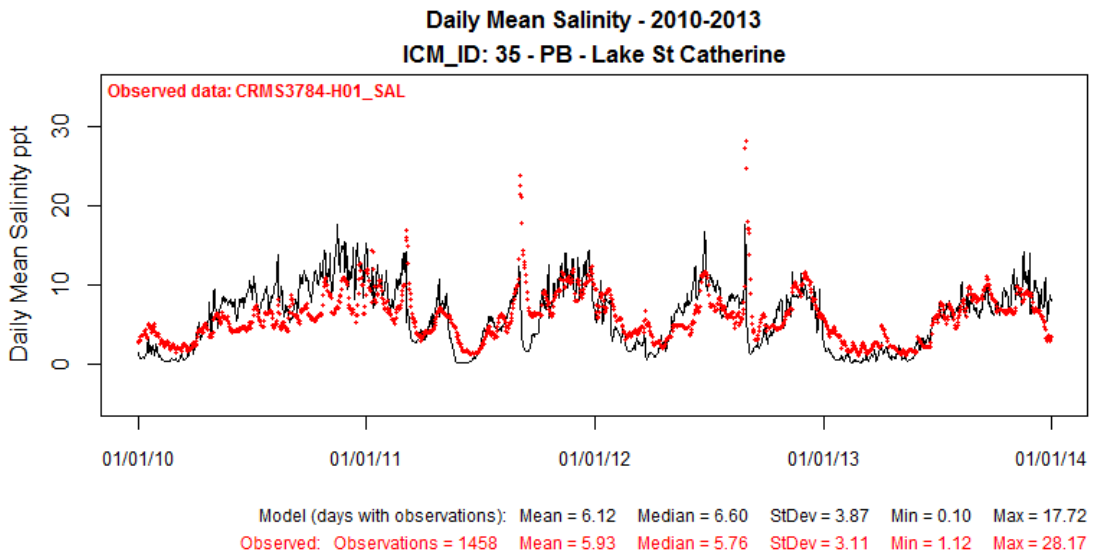

Figure 15: Modeled Salinity (ppt) at ICM Compartment 35 (solid black line) Compared to Observed Data at CRMS3784-H01 for Calibration Period, 2010-2013.

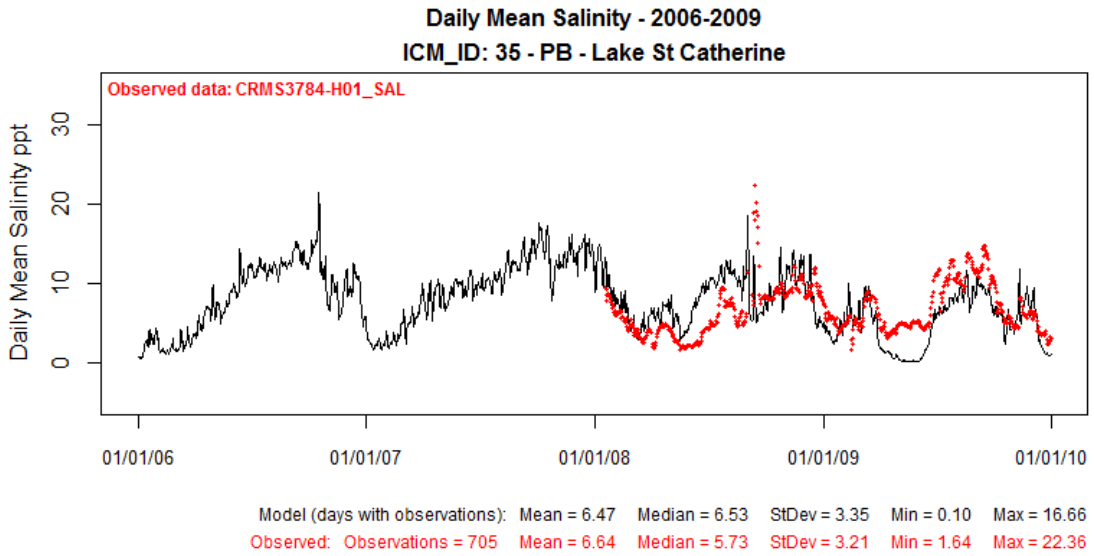

Figure 16: Modeled Salinity (ppt) at ICM Compartment 35 (solid black line) Compared to Observed Data at CRMS3784-H01 for Validation Period, 2006-2009.

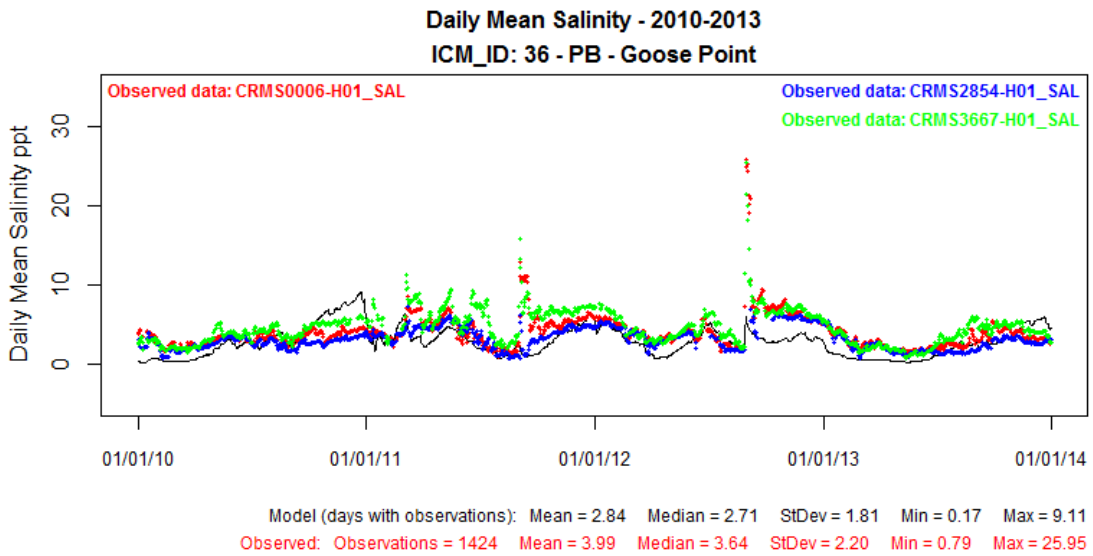

Figure 17: Modeled Salinity (ppt) at ICM Compartment 36 (solid black line) Compared to Observed Data at CRMS0006-H01 for Calibration Period, 2010-2013.

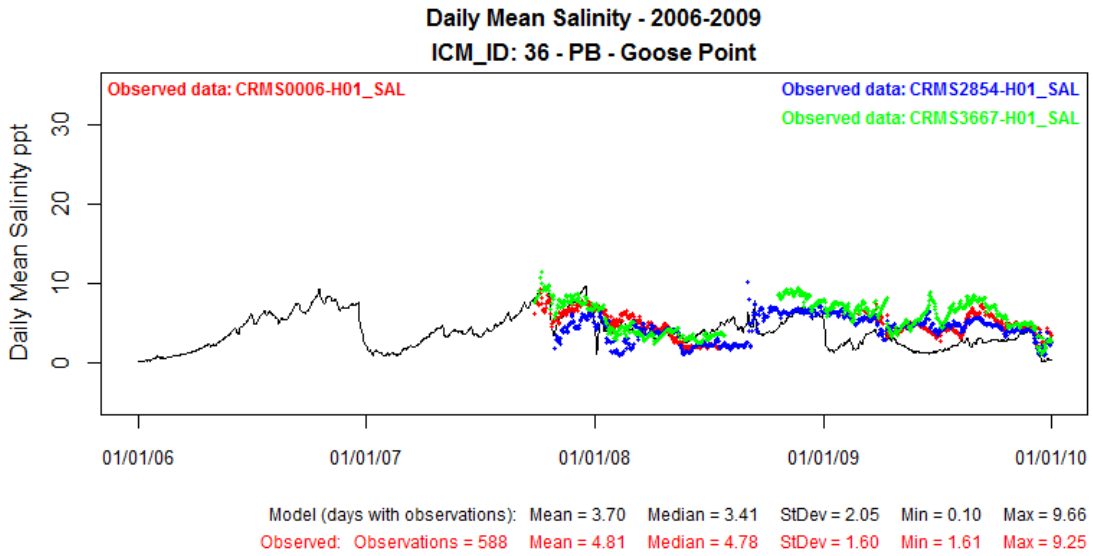

Figure 18: Modeled Salinity (ppt) at ICM Compartment 36 (solid black line) Compared to Observed Data at CRMS0006-H01 for Validation Period, 2006-2009.

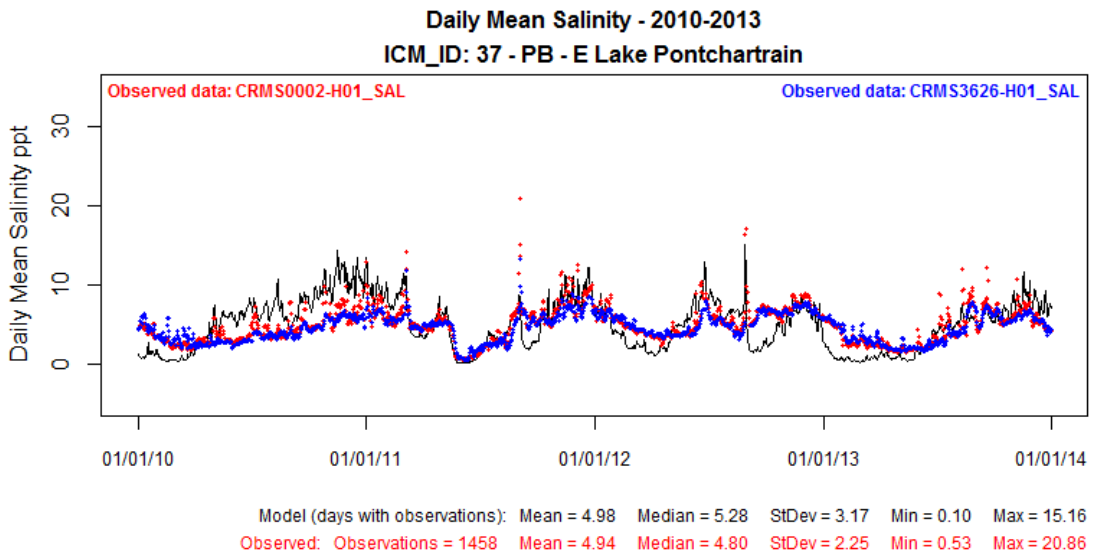

Figure 19: Modeled Salinity (ppt) at ICM Compartment 37 (solid black line) Compared to Observed Data at CRMS0002-H01 for Calibration Period, 2010-2013.

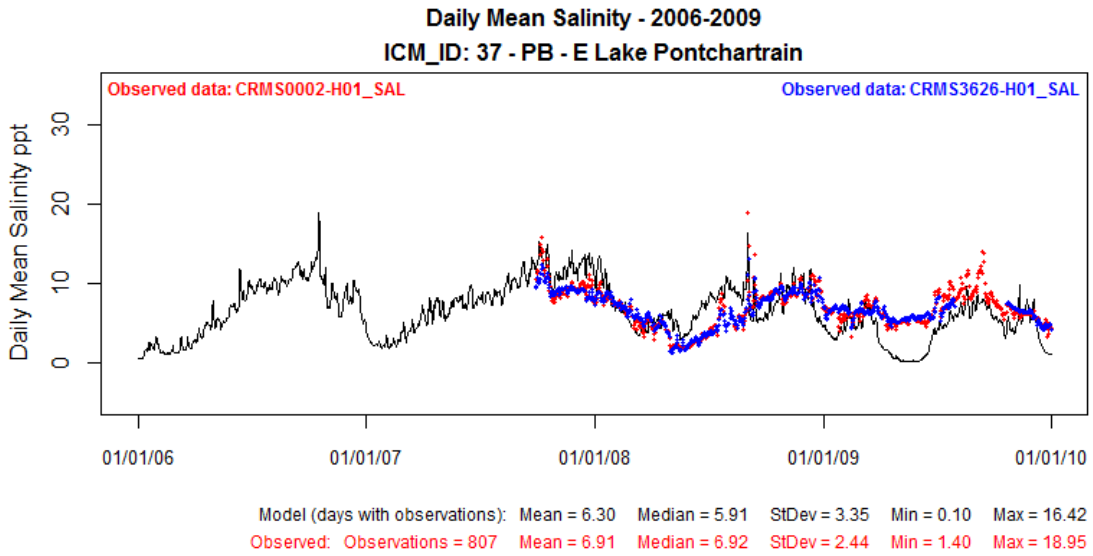

Figure 20: Modeled Salinity (ppt) at ICM Compartment 37 (solid black line) Compared to Observed Data at CRMS0002-H01 for Validation Period, 2006-2009.

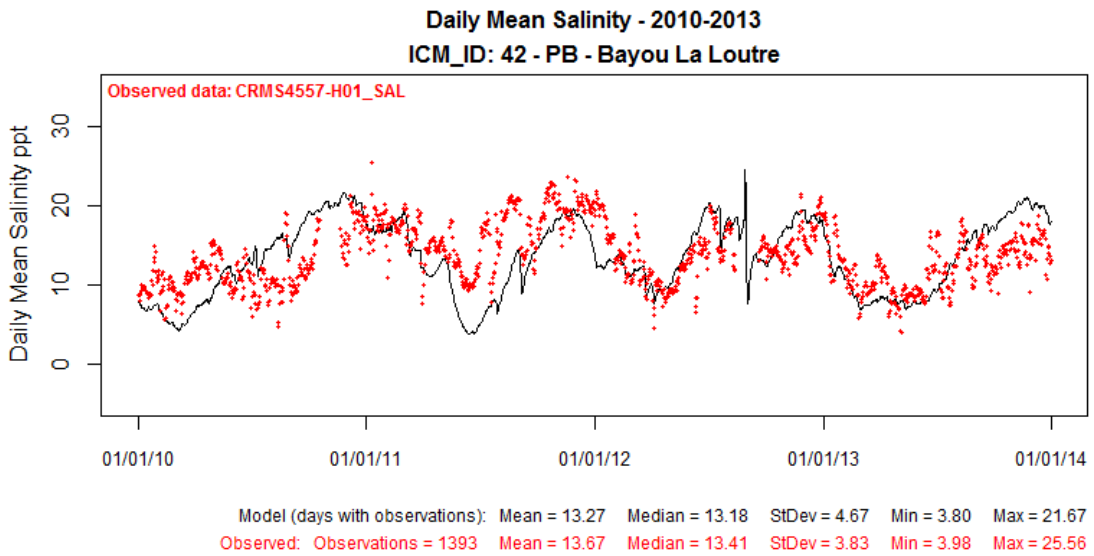

Figure 21: Modeled Salinity (ppt) at ICM Compartment 42 (solid black line) Compared to Observed Data at CRMS4557-H01 for Calibration Period, 2010-2013.

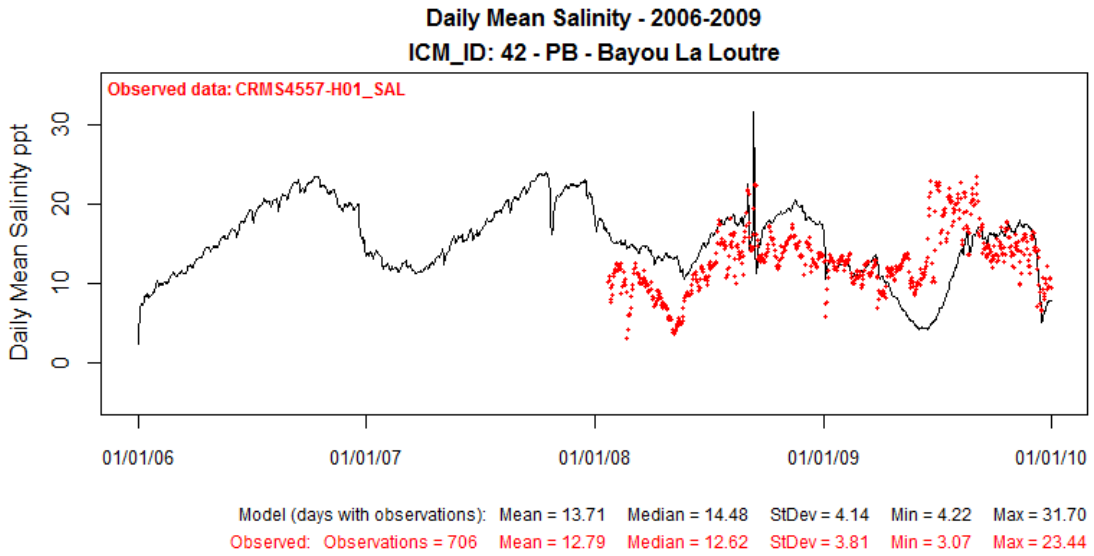

Figure 22: Modeled Salinity (ppt) at ICM Compartment 42 (solid black line) Compared to Observed Data at CRMS4557-H01 for Validation Period, 2006-2009.

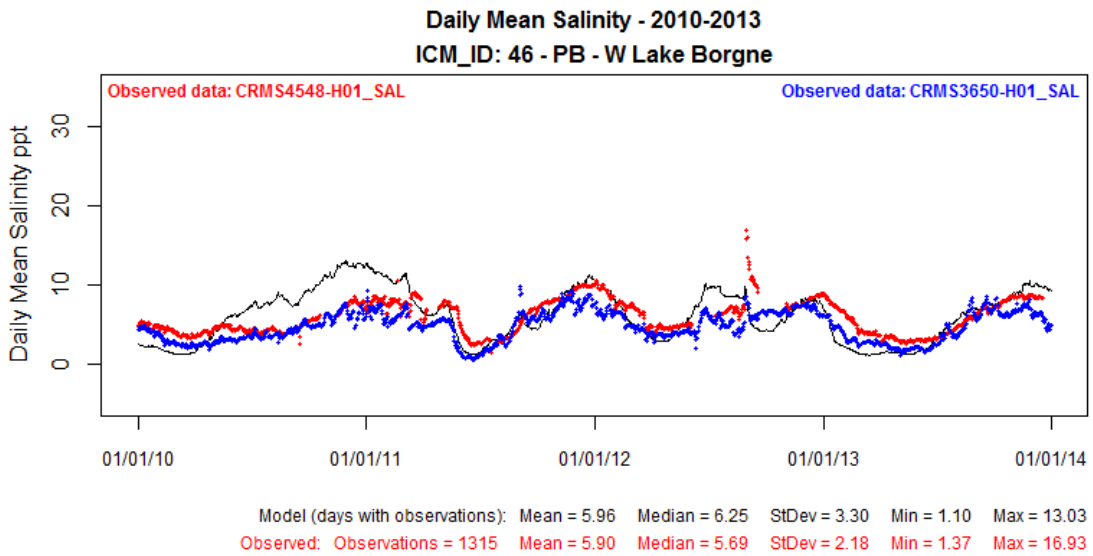

Figure 23: Modeled Salinity (ppt) at ICM Compartment 46 (solid black line) Compared to Observed Data at CRMS4548-H01 for Calibration Period, 2010-2013.

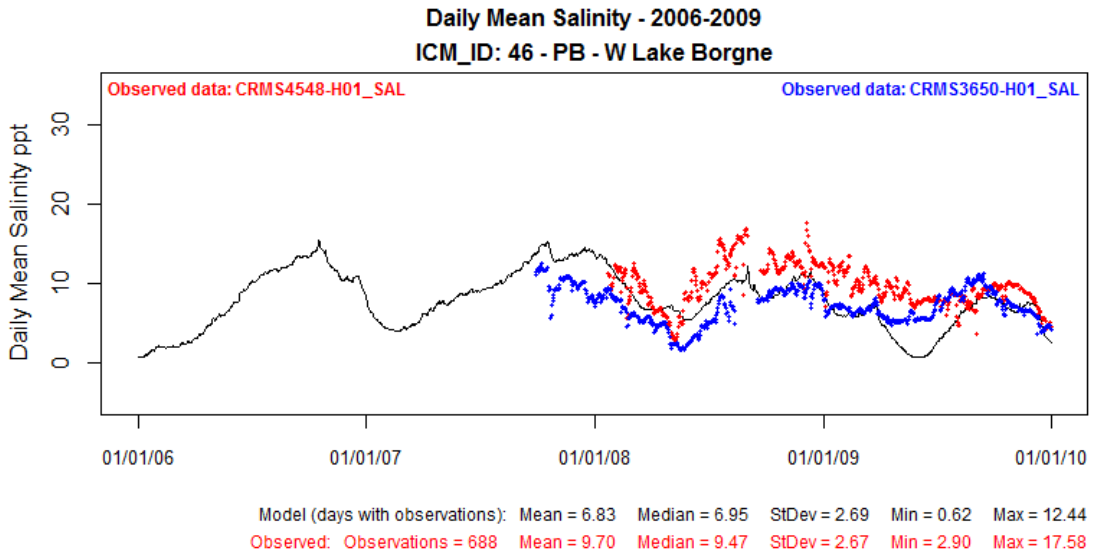

Figure 24: Modeled Salinity (ppt) at ICM Compartment 46 (solid black line) Compared to Observed Data at CRMS4548-H01 for Validation Period, 2006-2009.

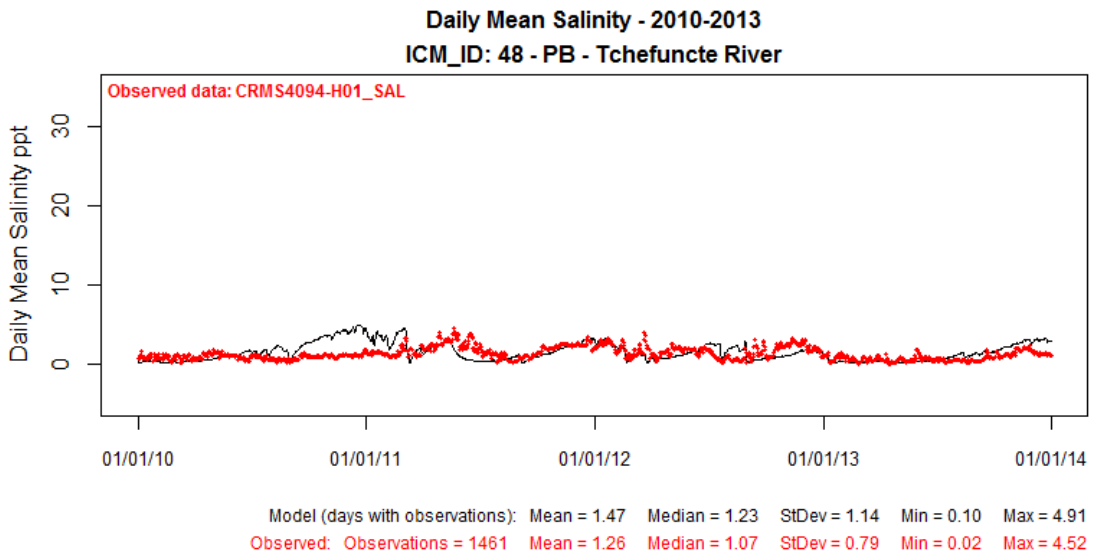

Figure 25: Modeled Salinity (ppt) at ICM Compartment 48 (solid black line) Compared to Observed Data at CRMS4094-H01 for Calibration Period, 2010-2013.

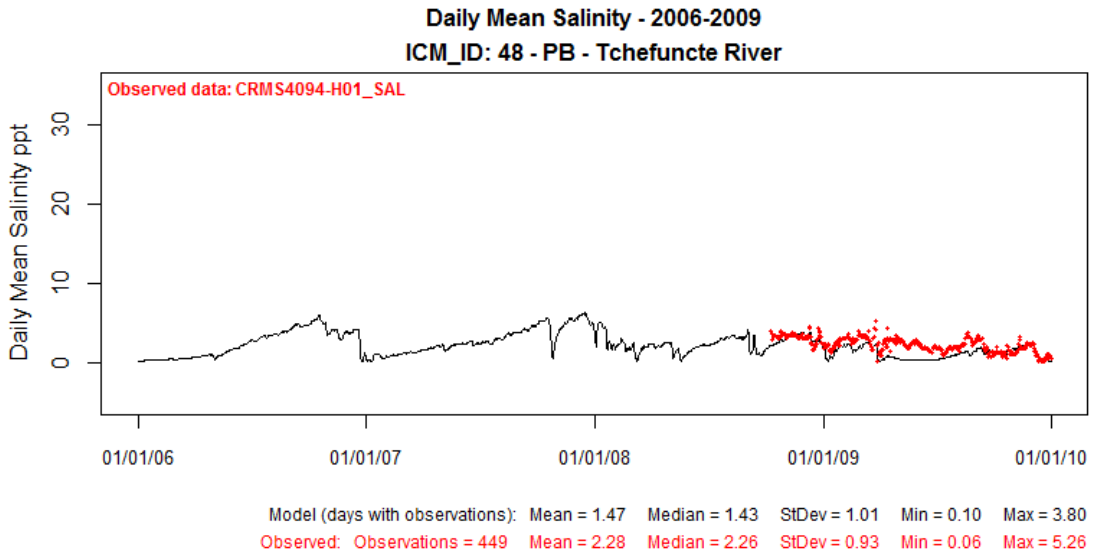

Figure 26: Modeled Salinity (ppt) at ICM Compartment 48 (solid black line) Compared to Observed Data at CRMS4094-H01 for Validation Period, 2006-2009.

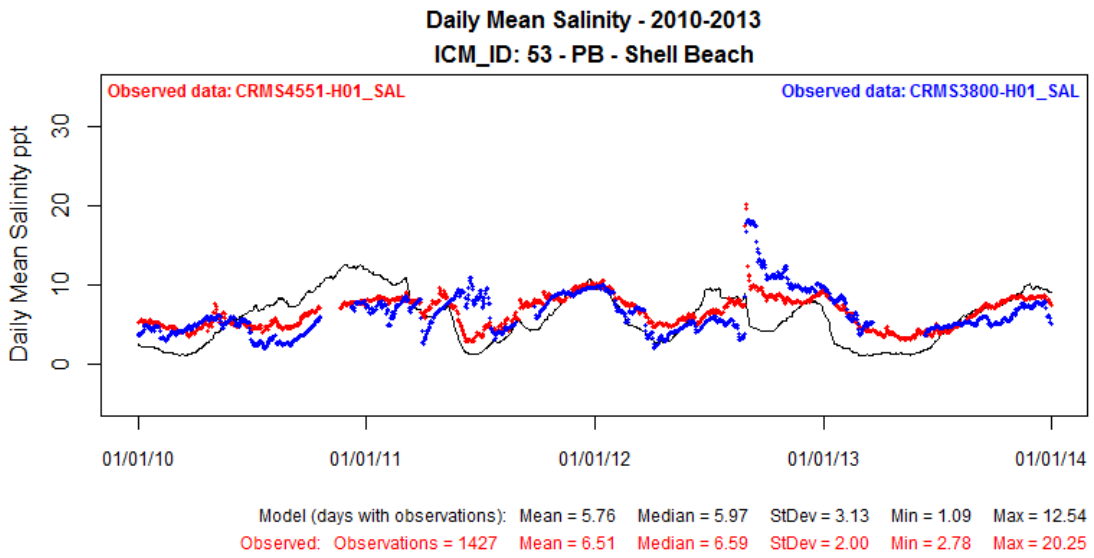

Figure 27: Modeled Salinity (ppt) at ICM Compartment 53 (solid black line) Compared to Observed Data at CRMS4551-H01 for Calibration Period, 2010-2013.

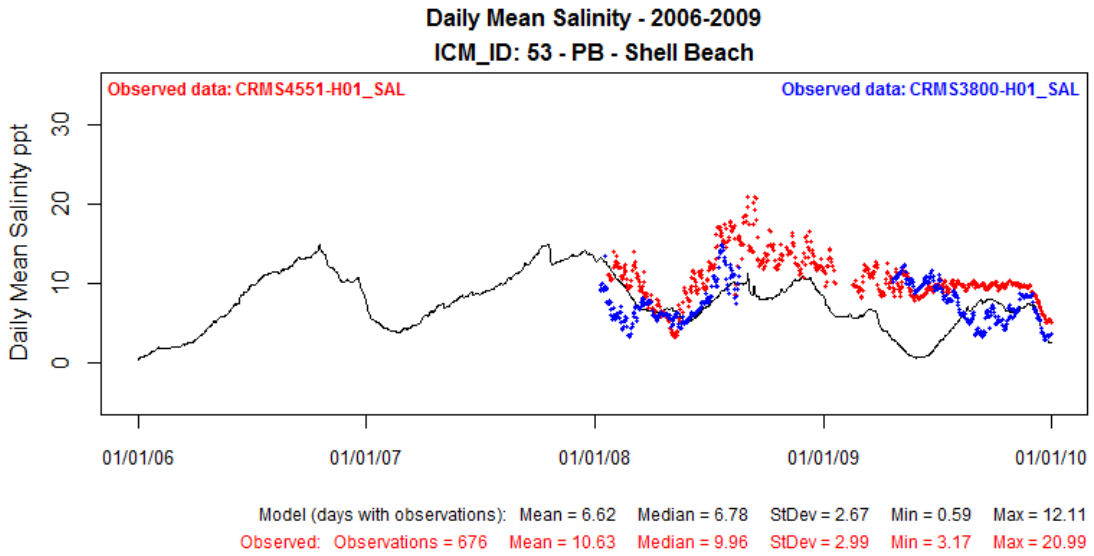

Figure 28: Modeled Salinity (ppt) at ICM Compartment 53 (solid black line) Compared to Observed Data at CRMS4551-H01 for Validation Period, 2006-2009.

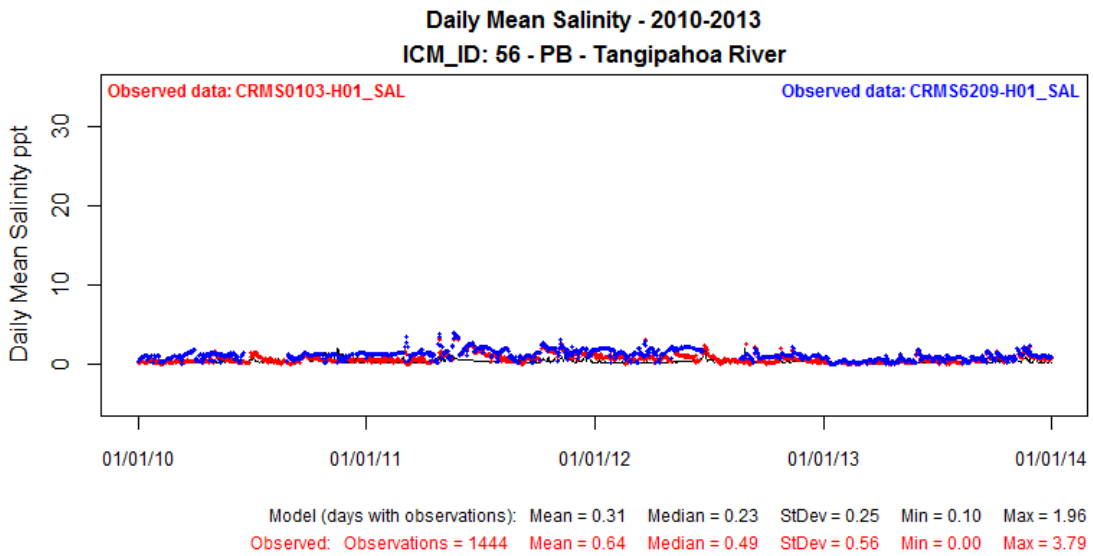

Figure 29: Modeled Salinity (ppt) at ICM Compartment 56 (solid black line) Compared to Observed Data at CRMS0103-H01 for Calibration Period, 2010-2013.

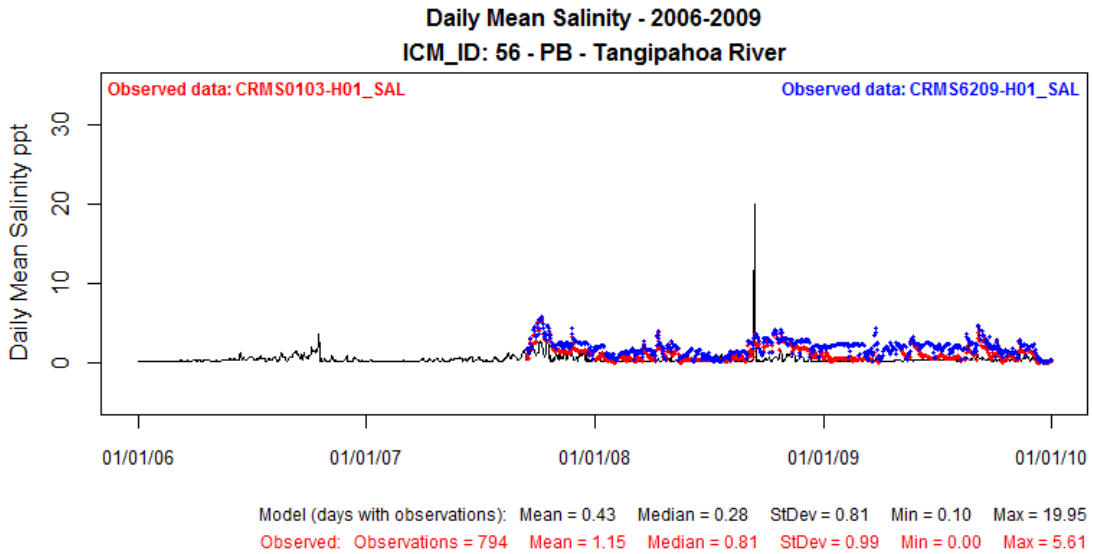

Figure 30: Modeled Salinity (ppt) at ICM Compartment 56 (solid black line) Compared to Observed Data at CRMS0103-H01 for Validation Period, 2006-2009.

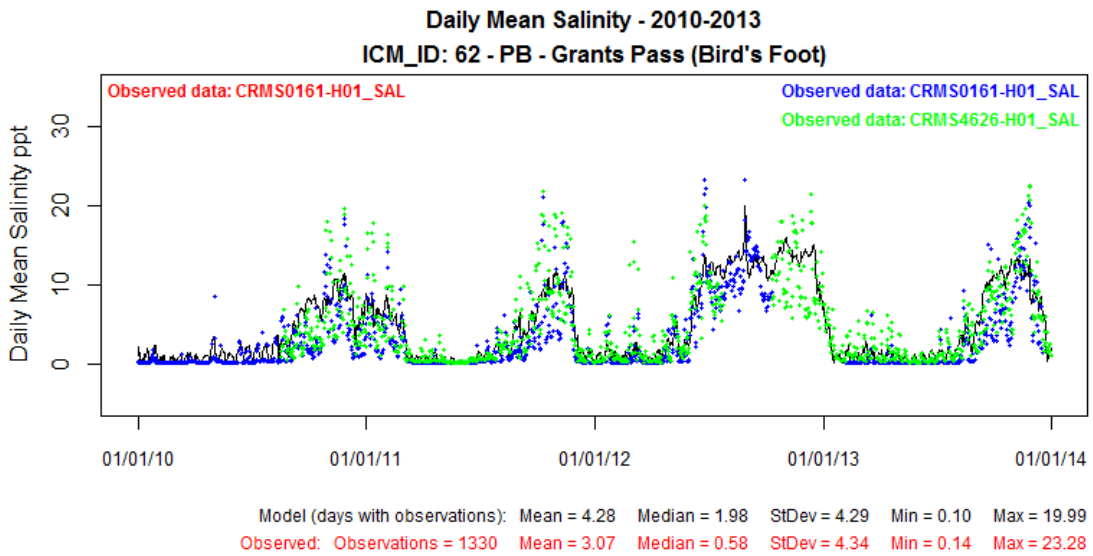

Figure 31: Modeled Salinity (ppt) at ICM Compartment 62 (solid black line) Compared to Observed Data at CRMS0161-H01 for Calibration Period, 2010-2013.

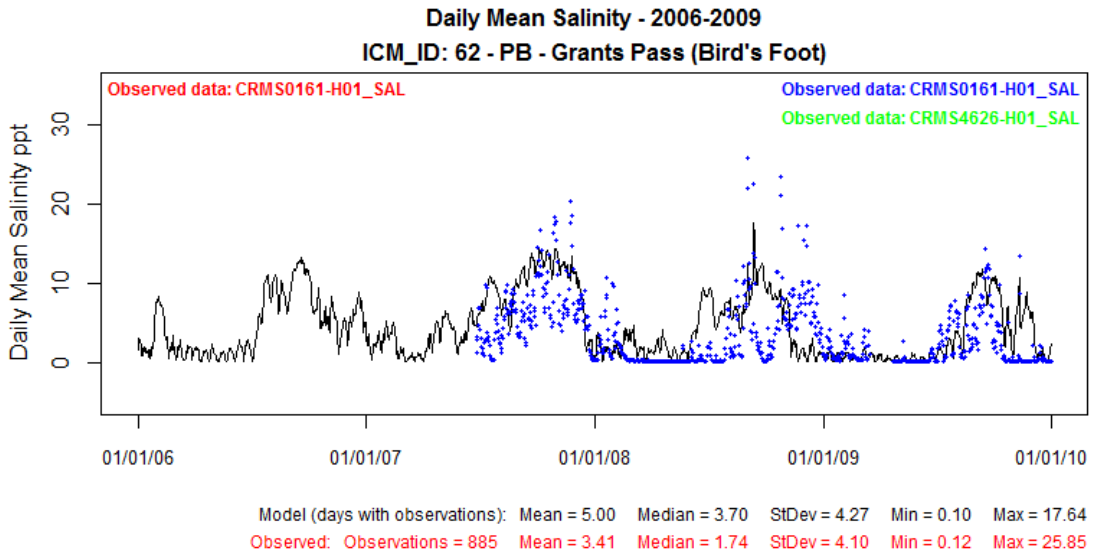

Figure 32: Modeled Salinity (ppt) at ICM Compartment 62 (solid black line) Compared to Observed Data at CRMS0161-H01 for Validation Period, 2006-2009.

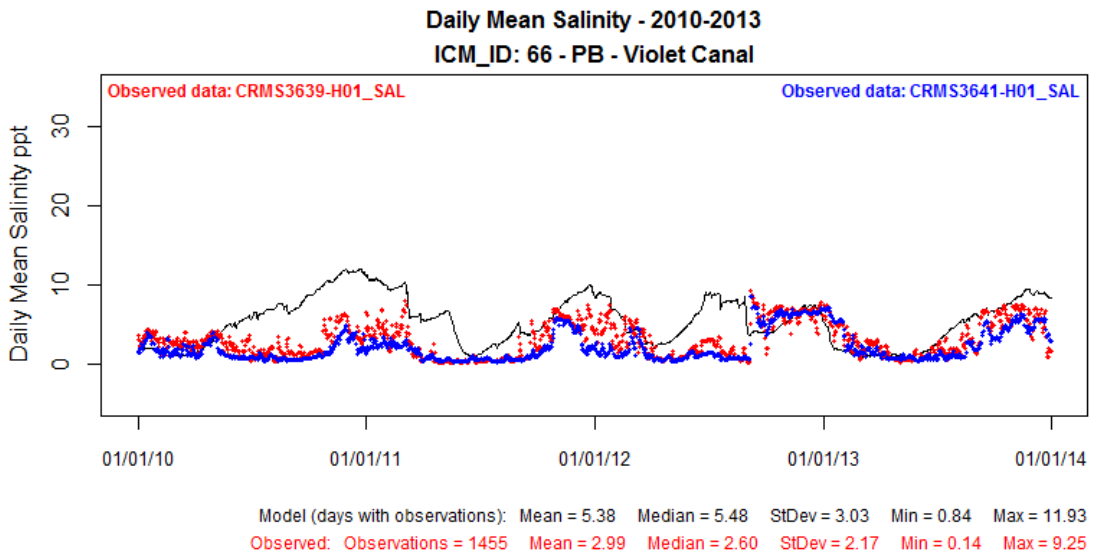

Figure 33: Modeled Salinity (ppt) at ICM Compartment 66 (solid black line) Compared to Observed Data at CRMS3639-H01 for Calibration Period, 2010-2013.

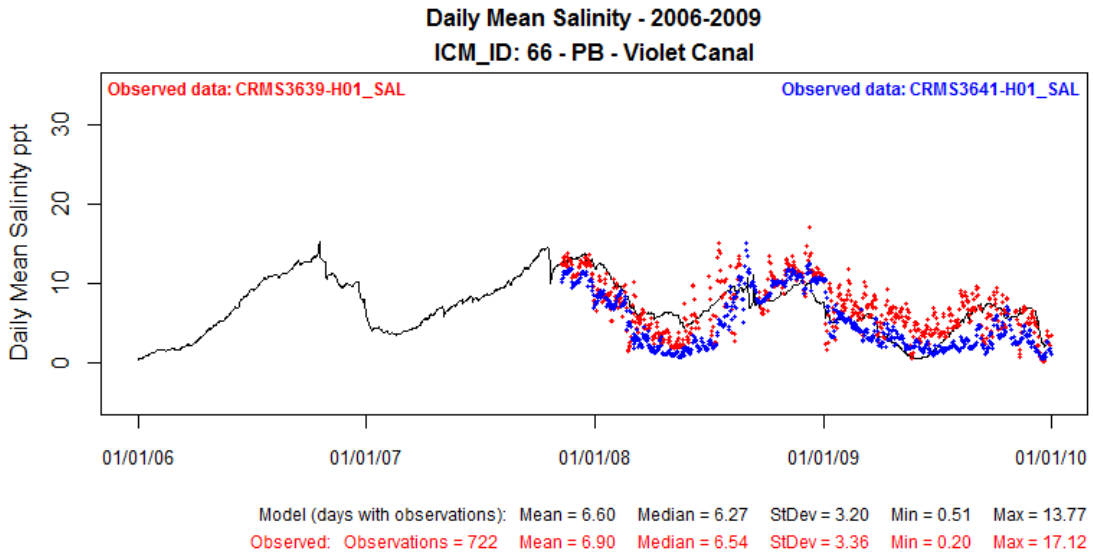

Figure 34: Modeled Salinity (ppt) at ICM Compartment 66 (solid black line) Compared to Observed Data at CRMS3639-H01 for Validation Period, 2006-2009.

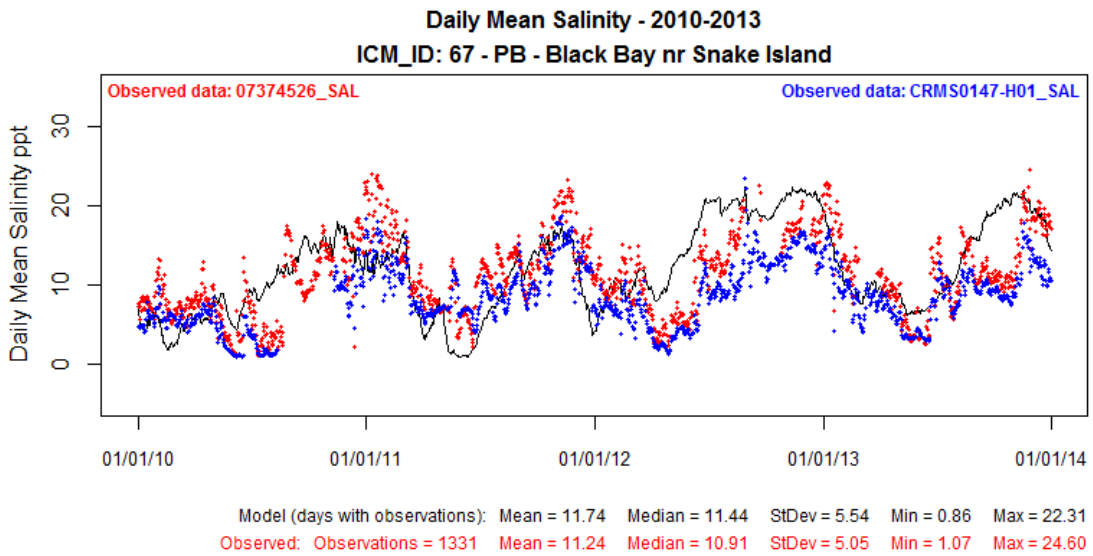

Figure 35: Modeled Salinity (ppt) at ICM Compartment 67 (solid black line) Compared to Observed Data at USGS07374526 for Calibration Period, 2010-2013.

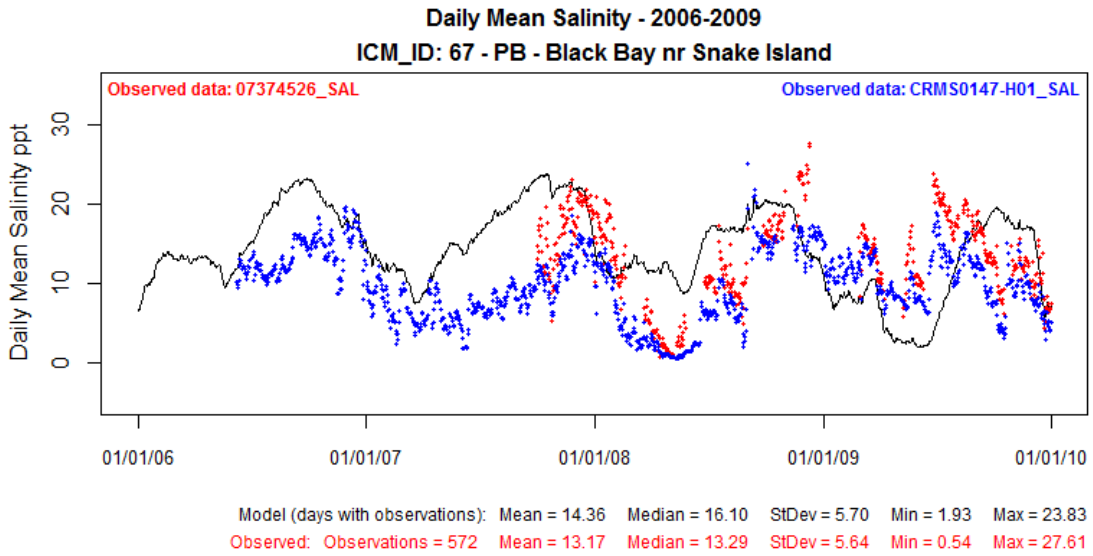

Figure 36: Modeled Salinity (ppt) at ICM Compartment 67 (solid black line) Compared to Observed Data at USGS07374526 for Validation Period, 2006-2009.

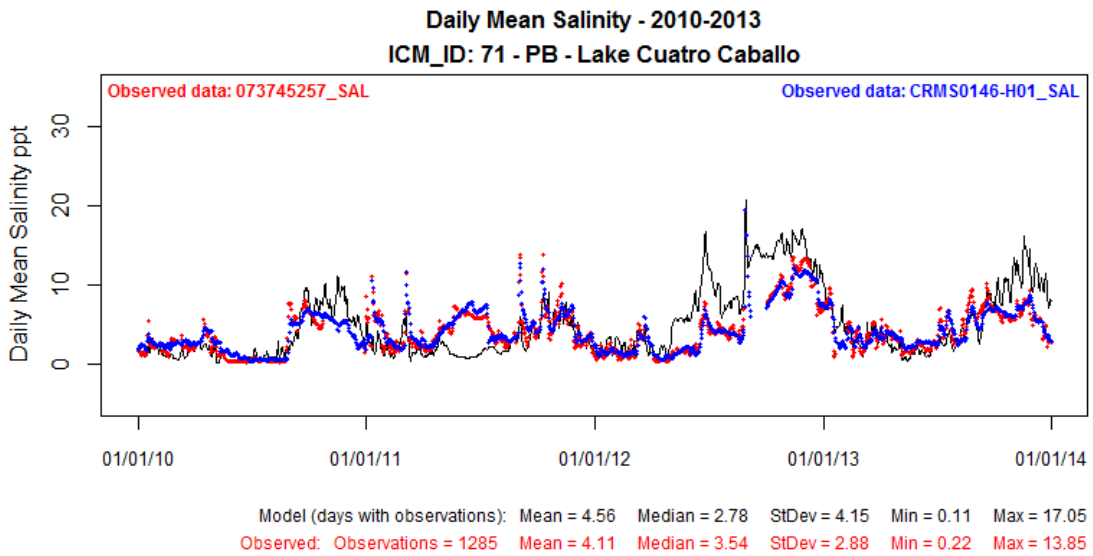

Figure 37: Modeled Salinity (ppt) at ICM Compartment 71 (solid black line) Compared to Observed Data at USGS073745257 for Calibration Period, 2010-2013.

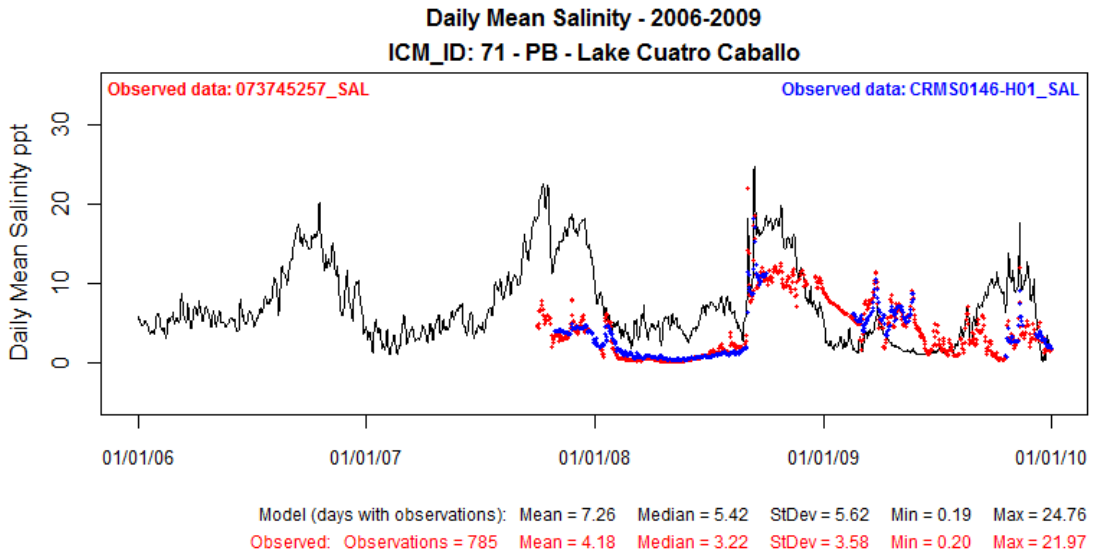

Figure 38: Modeled Salinity (ppt) at ICM Compartment 71 (solid black line) Compared to Observed Data at USGS073745257 for Validation Period, 2006-2009.

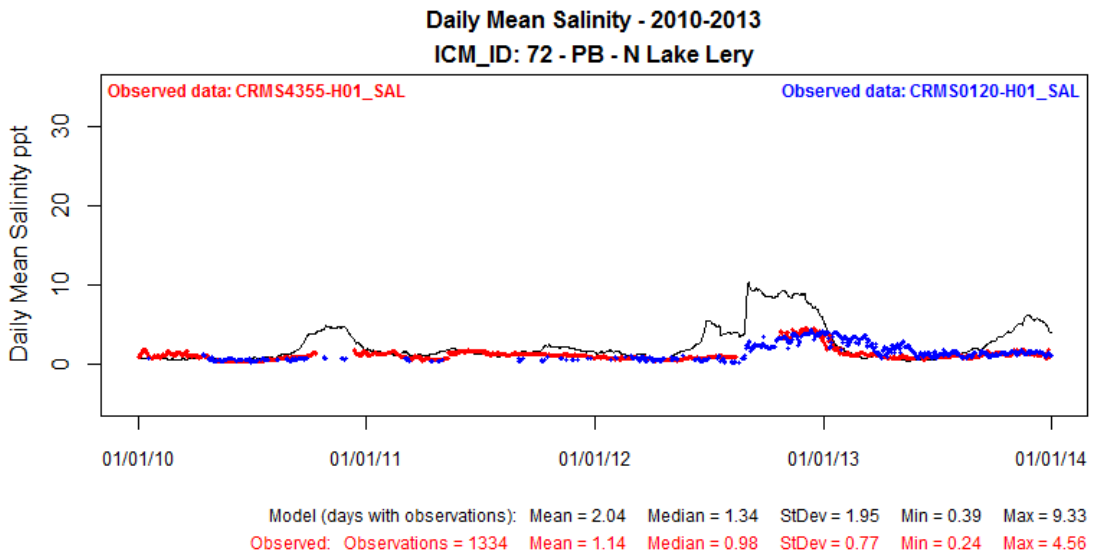

Figure 39: Modeled Salinity (ppt) at ICM Compartment 72 (solid black line) Compared to Observed Data at CRMS4355-H01 for Calibration Period, 2010-2013.

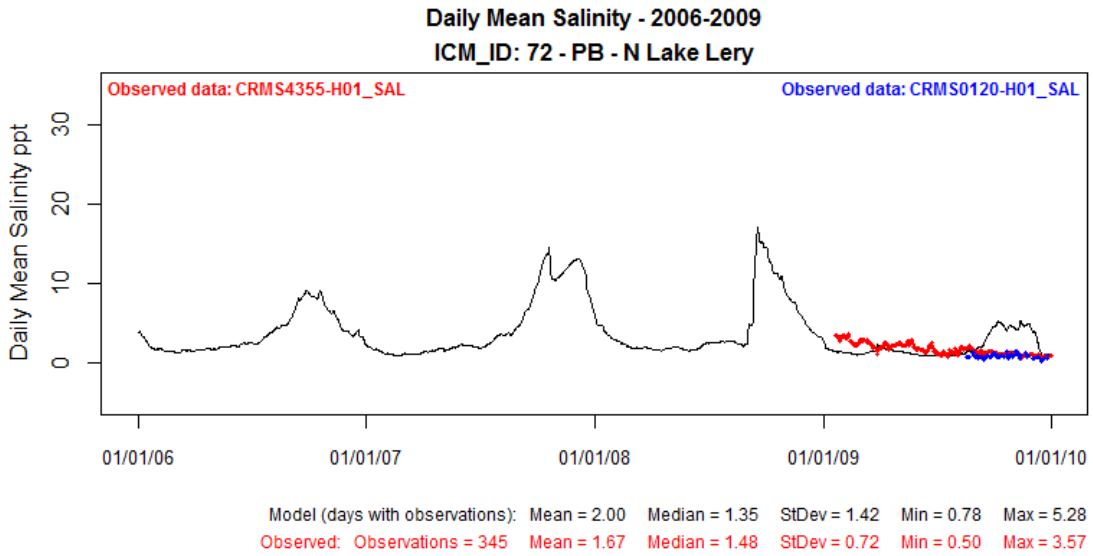

Figure 40: Modeled Salinity (ppt) at ICM Compartment 72 (solid black line) Compared to Observed Data at CRMS4355-H01 for Validation Period, 2006-2009.

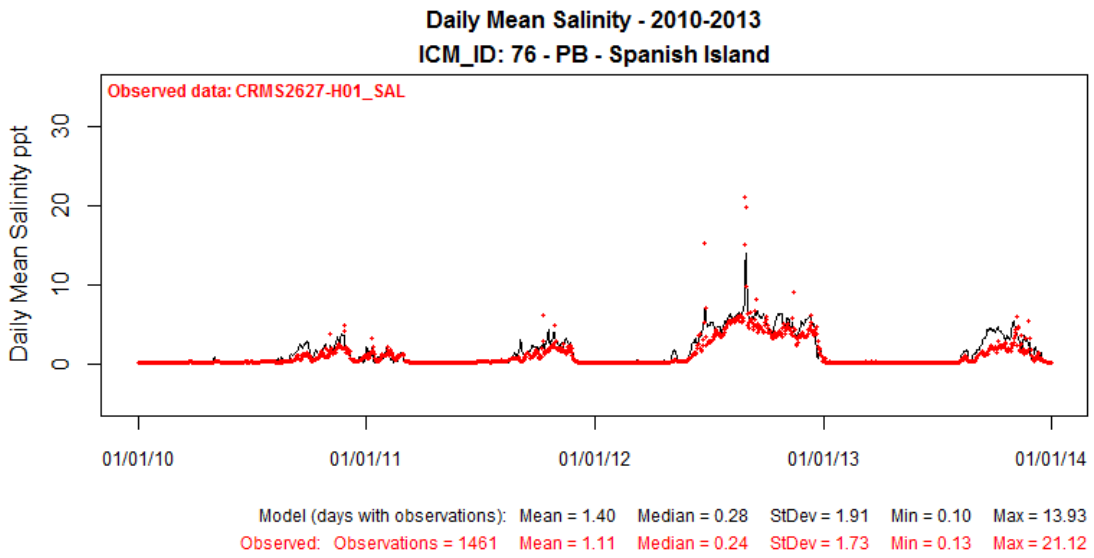

Figure 41: Modeled Salinity (ppt) at ICM Compartment 76 (solid black line) Compared to Observed Data at CRMS2627-H01 for Calibration Period, 2010-2013.

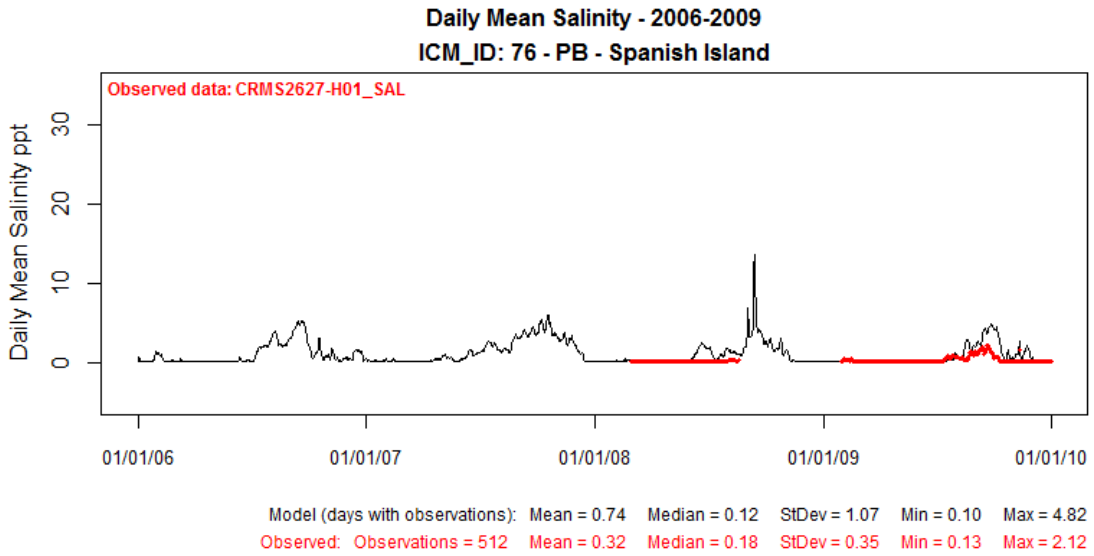

Figure 42: Modeled Salinity (ppt) at ICM Compartment 76 (solid black line) Compared to Observed Data at CRMS2627-H01 for Validation Period, 2006-2009.

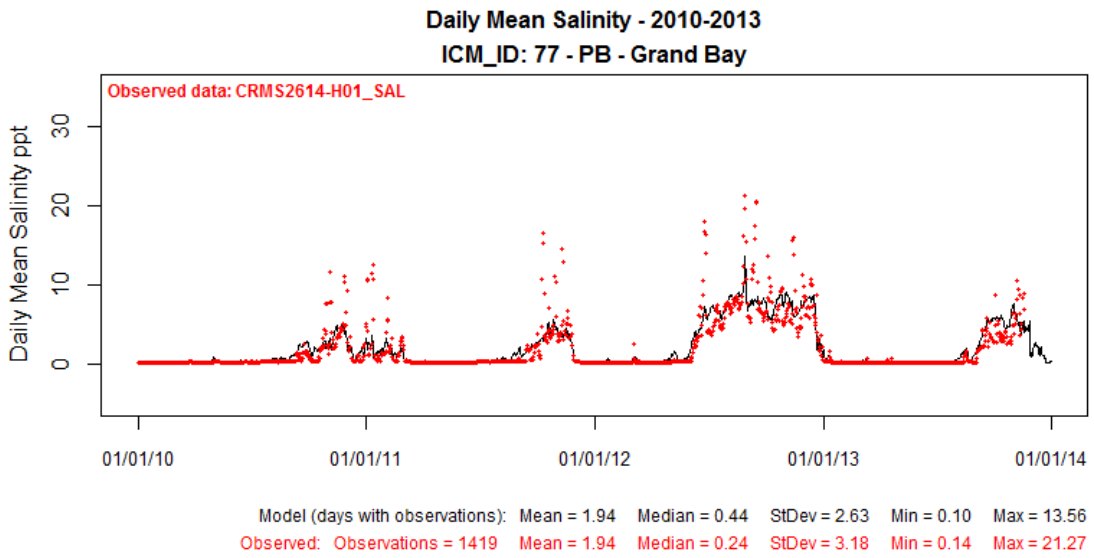

Figure 43: Modeled Salinity (ppt) at ICM Compartment 77 (solid black line) Compared to Observed Data at CRMS2614-H01 for Calibration Period, 2010-2013.

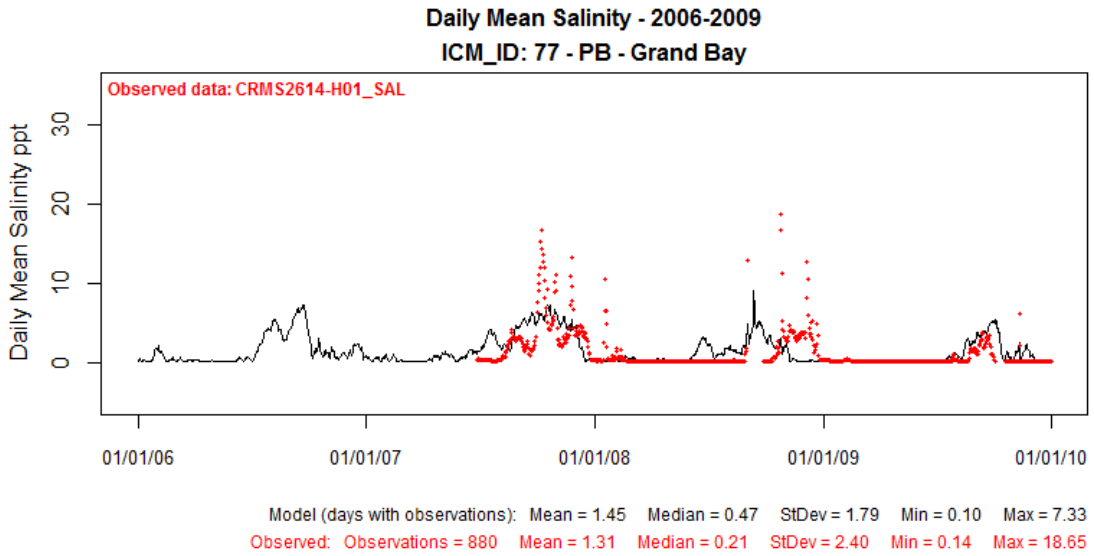

Figure 44: Modeled Salinity (ppt) at ICM Compartment 77 (solid black line) Compared to Observed Data at CRMS2614-H01 for Validation Period, 2006-2009.

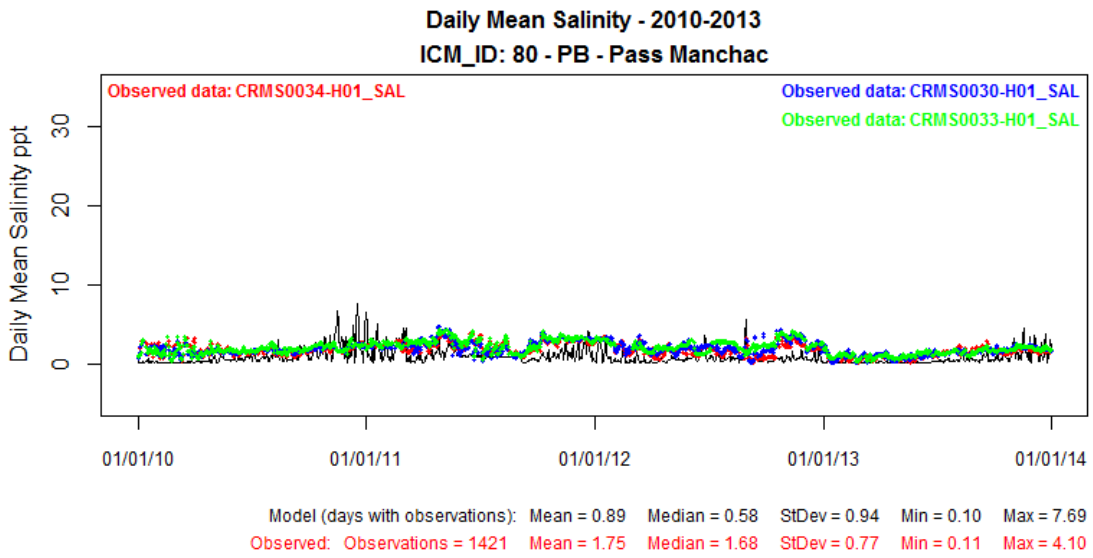

Figure 45: Modeled Salinity (ppt) at ICM Compartment 80 (solid black line) Compared to Observed Data at CRMS0034-H01 for Calibration Period, 2010-2013.

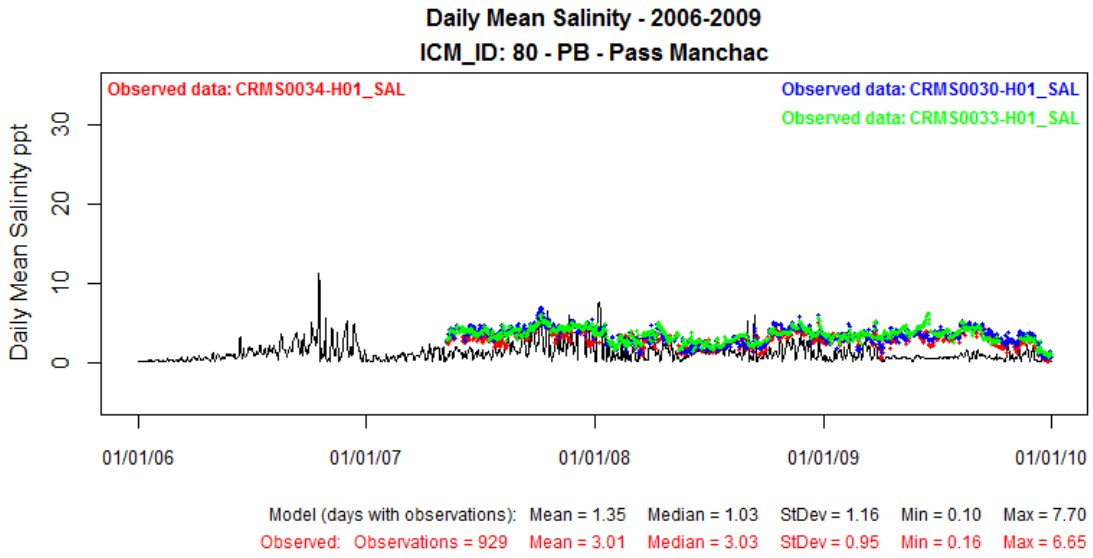

Figure 46: Modeled Salinity (ppt) at ICM Compartment 80 (solid black line) Compared to Observed Data at CRMS0034-H01 for Validation Period, 2006-2009.

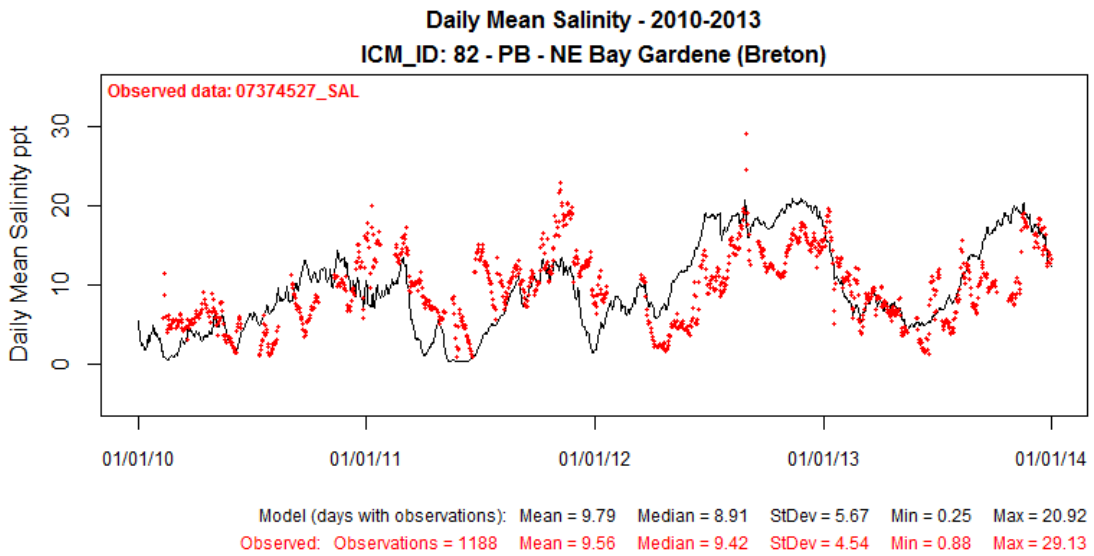

Figure 47: Modeled Salinity (ppt) at ICM Compartment 82 (solid black line) Compared to Observed Data at USGS07374527 for Calibration Period, 2010-2013.

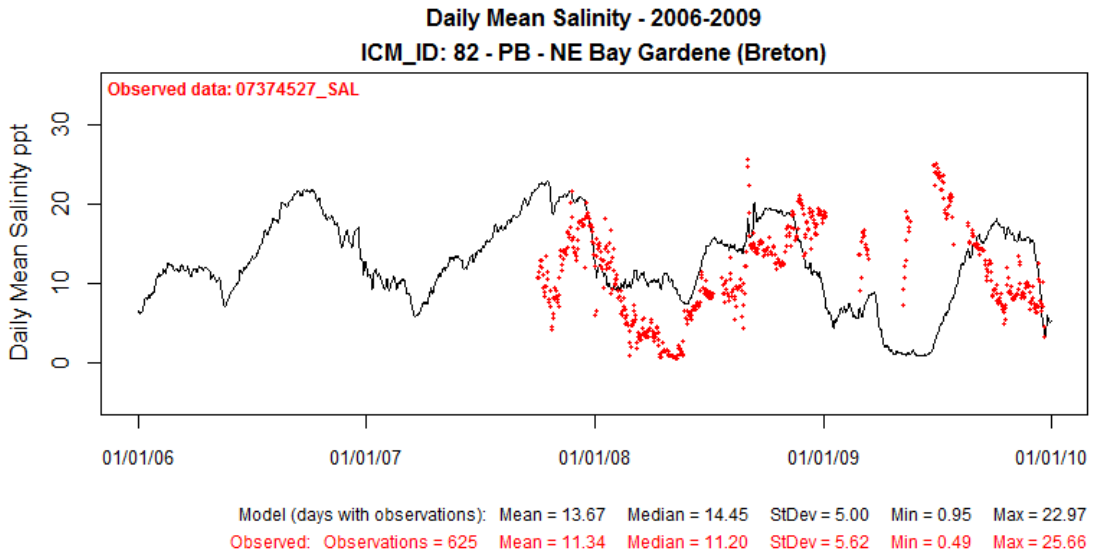

Figure 48: Modeled Salinity (ppt) at ICM Compartment 82 (solid black line) Compared to Observed Data at USGS07374527 for Validation Period, 2006-2009.

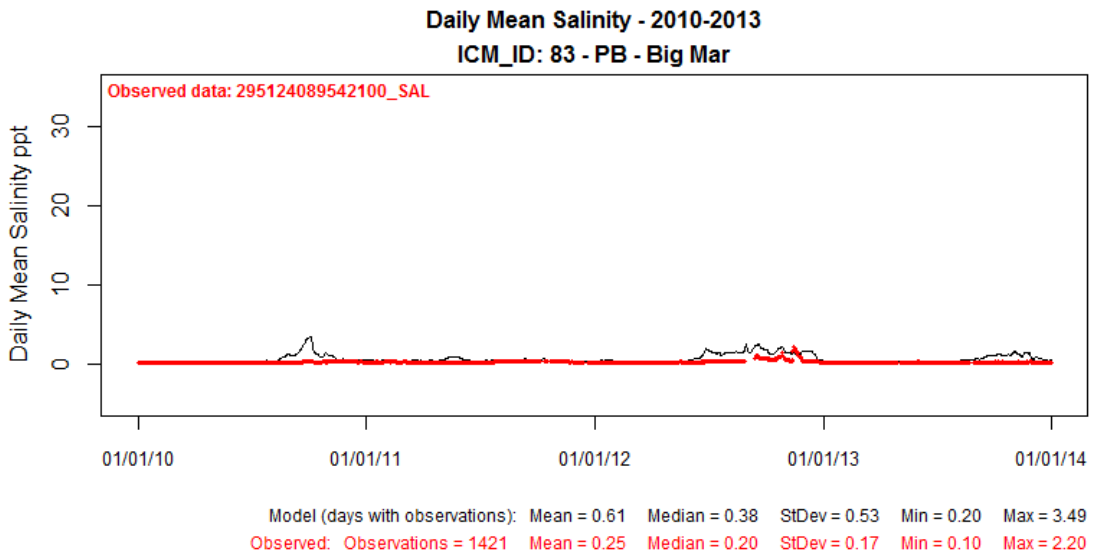

Figure 49: Modeled Salinity (ppt) at ICM Compartment 83 (solid black line) Compared to Observed Data at USGS295124089542100 for Calibration Period, 2010-2013.

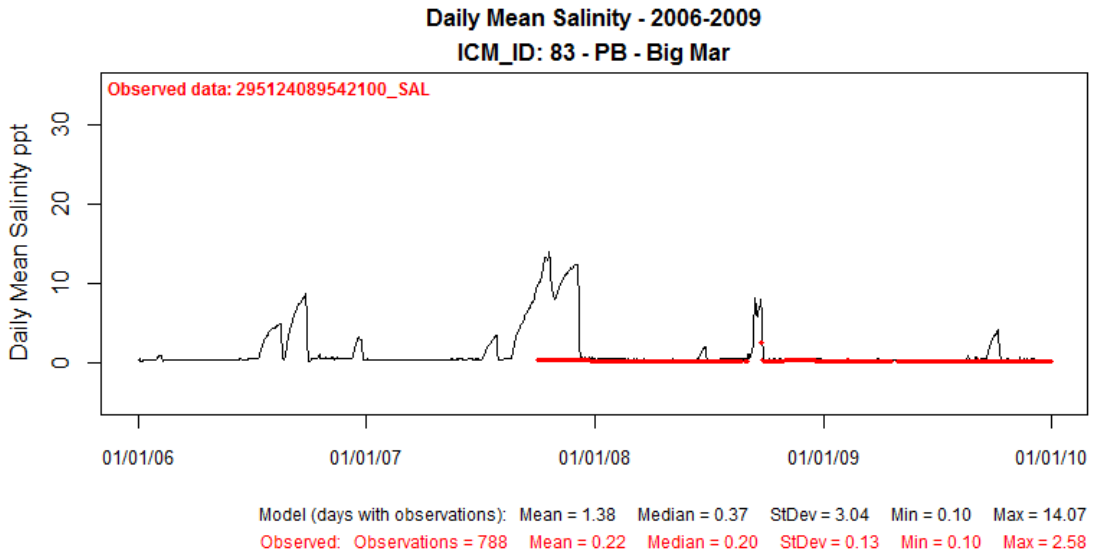

Figure 50: Modeled Salinity (ppt) at ICM Compartment 83 (solid black line) Compared to Observed Data at USGS295124089542100 for Validation Period, 2006-2009.

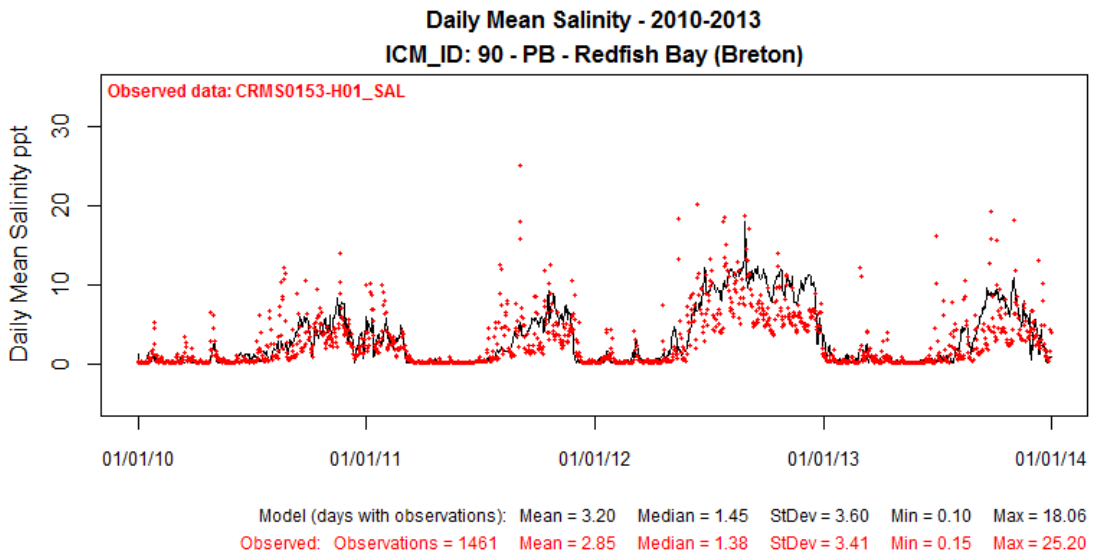

Figure 51: Modeled Salinity (ppt) at ICM Compartment 90 (solid black line) Compared to Observed Data at CRMS0153-H01 for Calibration Period, 2010-2013.

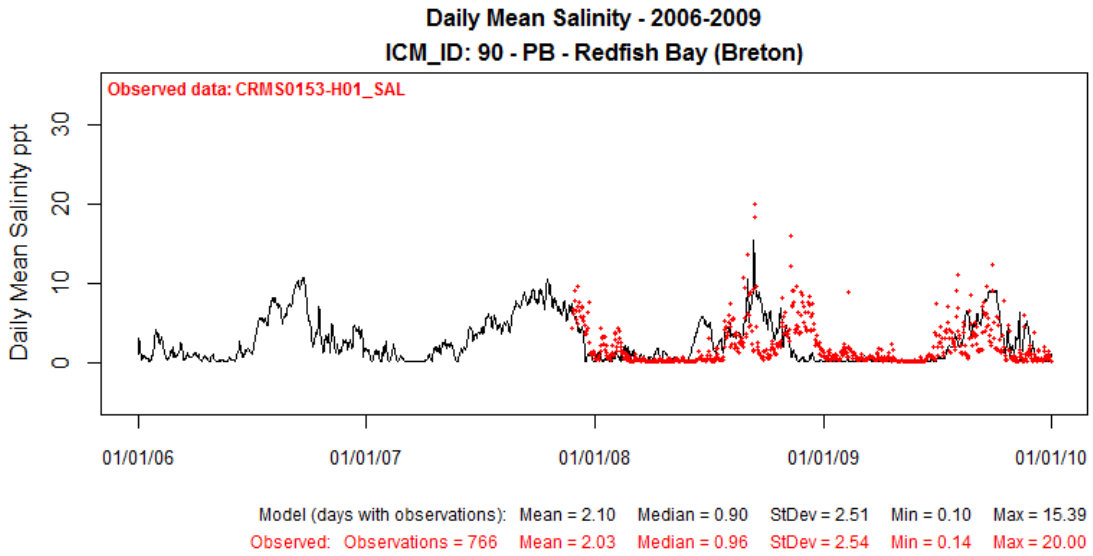

Figure 52: Modeled Salinity (ppt) at ICM Compartment 90 (solid black line) Compared to Observed Data at CRMS0153-H01 for Validation Period, 2006-2009.

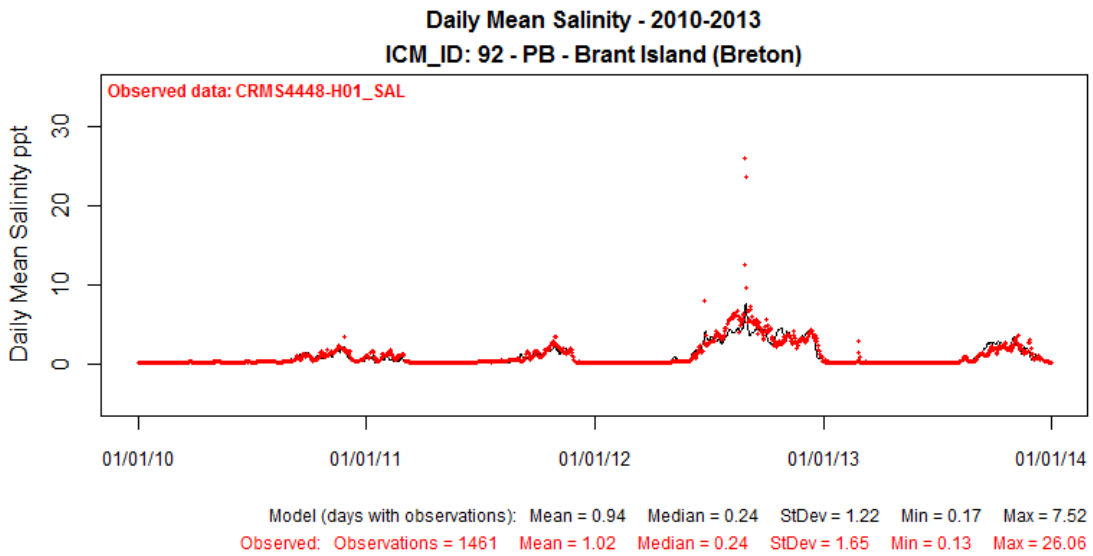

Figure 53: Modeled Salinity (ppt) at ICM Compartment 92 (solid black line) Compared to Observed Data at CRMS4448-H01 for Calibration Period, 2010-2013.

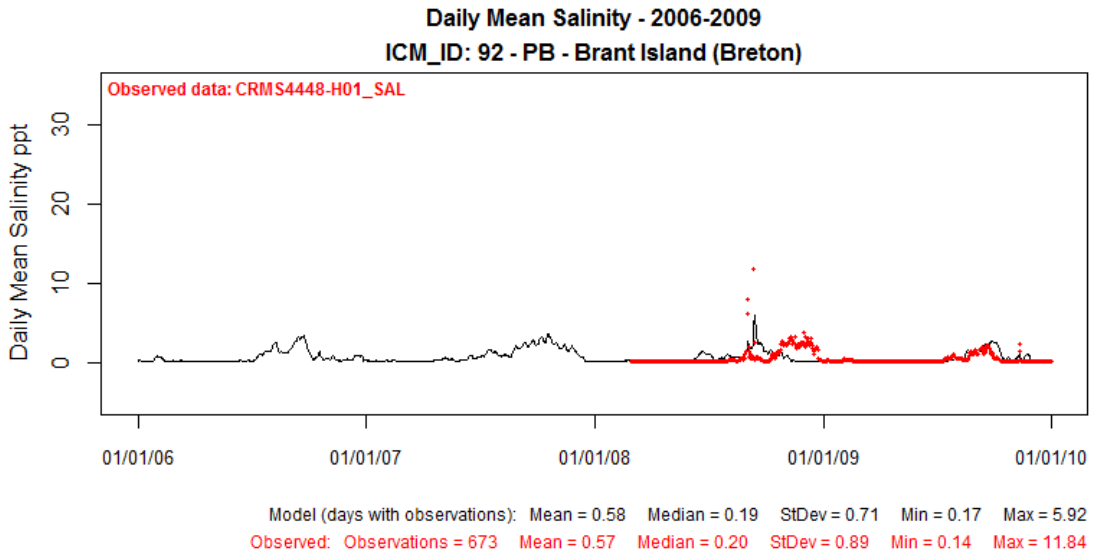

Figure 54: Modeled Salinity (ppt) at ICM Compartment 92 (solid black line) Compared to Observed Data at CRMS4448-H01 for Validation Period, 2006-2009.

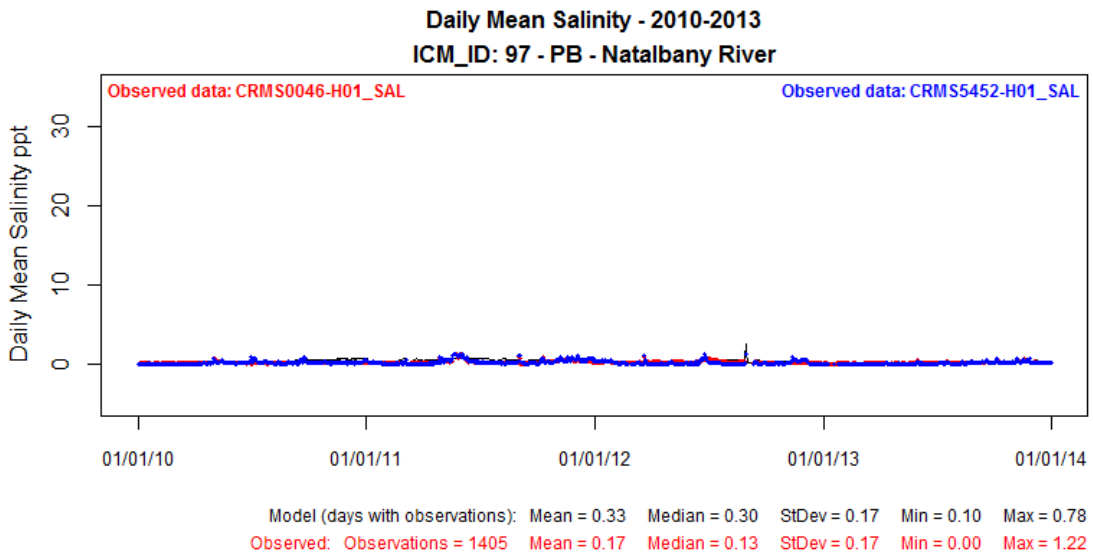

Figure 55: Modeled Salinity (ppt) at ICM Compartment 97 (solid black line) Compared to Observed Data at CRMS0046-H01 for Calibration Period, 2010-2013.

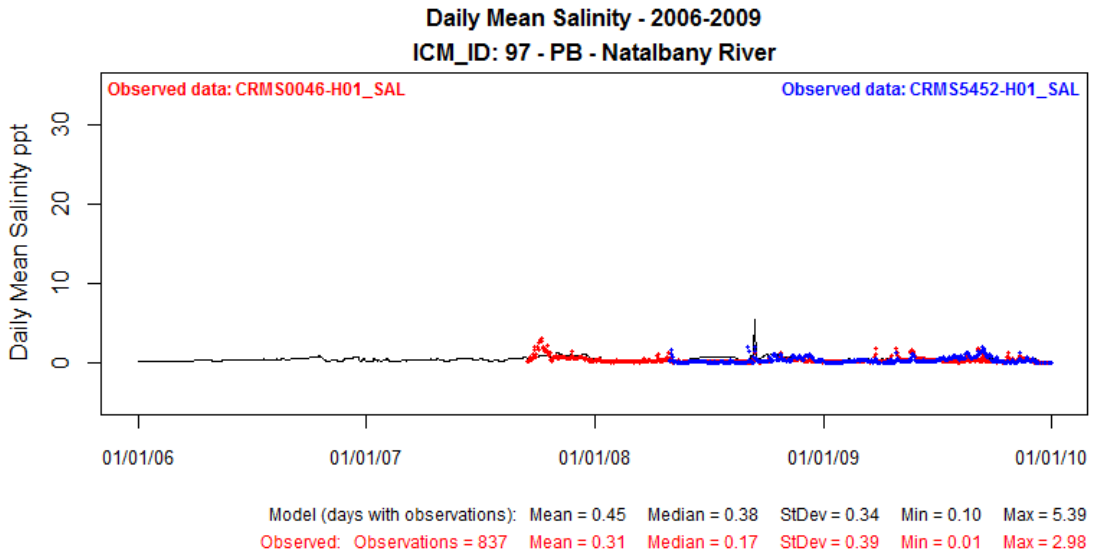

Figure 56: Modeled Salinity (ppt) at ICM Compartment 97 (solid black line) Compared to Observed Data at CRMS0046-H01 for Validation Period, 2006-2009.

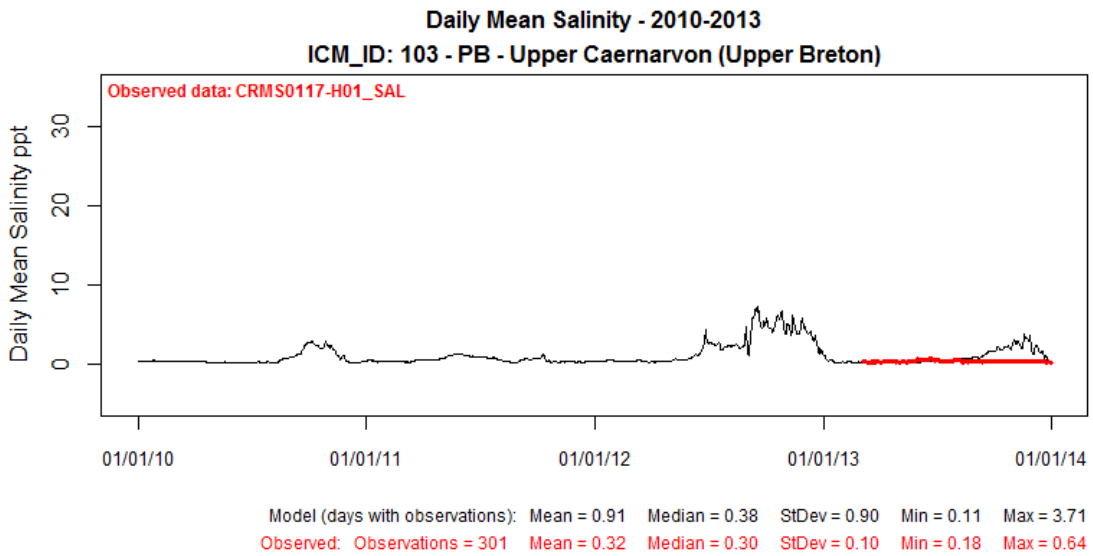

Figure 57: Modeled Salinity (ppt) at ICM Compartment 103 (solid black line) Compared to Observed Data at CRMS0117-H01 for Calibration Period, 2010-2013.

Figure 58: No Validation Figure for ICM Compartment 103.

DRAFT

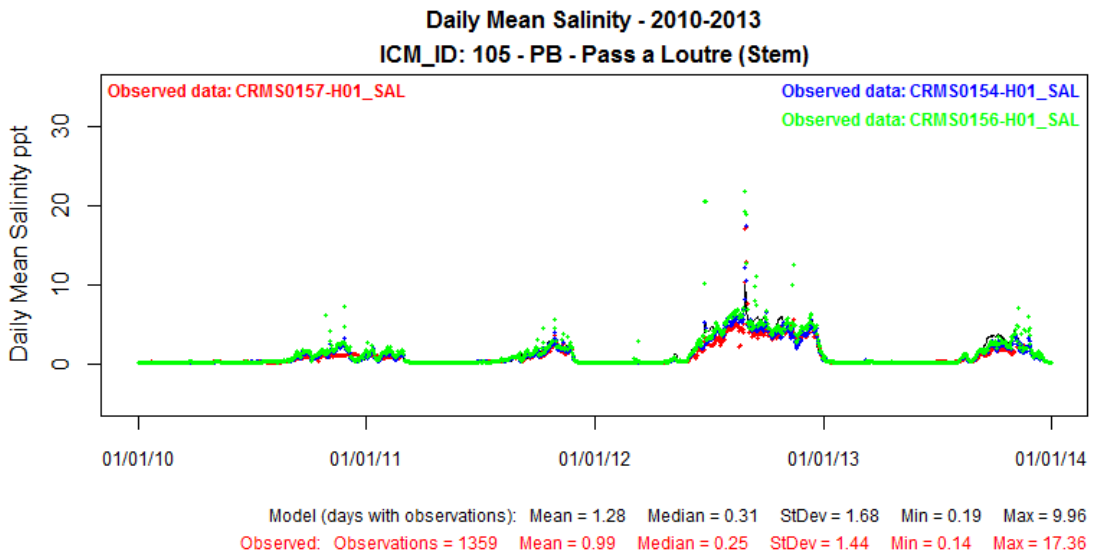

Figure 59: Modeled Salinity (ppt) at ICM Compartment 105 (solid black line) Compared to Observed Data at CRMS0157-H01 for Calibration Period, 2010-2013.

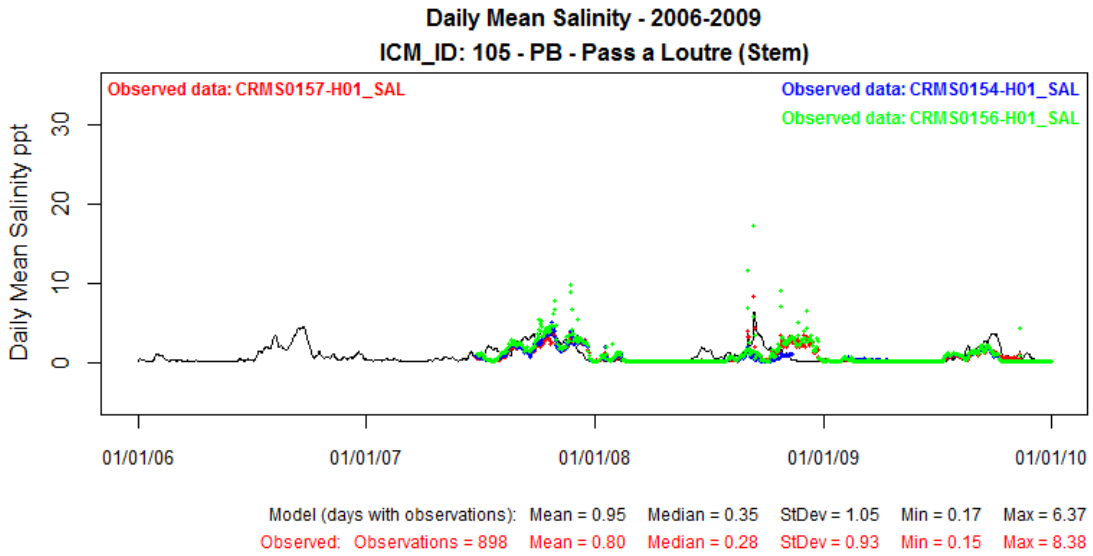

Figure 60: Modeled Salinity (ppt) at ICM Compartment 105 (solid black line) Compared to Observed Data at CRMS0157-H01 for Validation Period, 2006-2009.

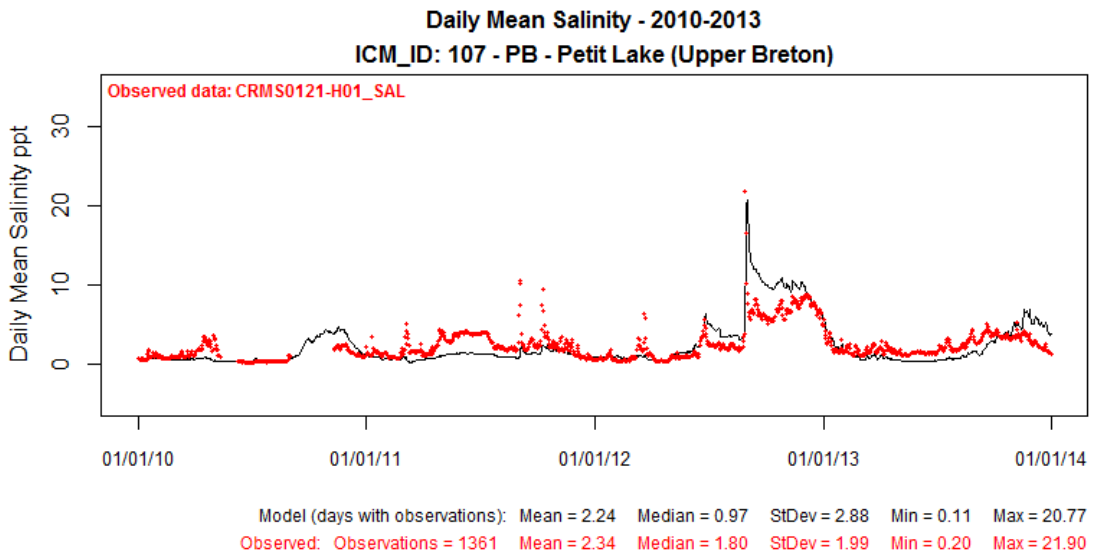

Figure 61: Modeled Salinity (ppt) at ICM Compartment 107 (solid black line) Compared to Observed Data at CRMS0121-H01 for Calibration Period, 2010-2013.

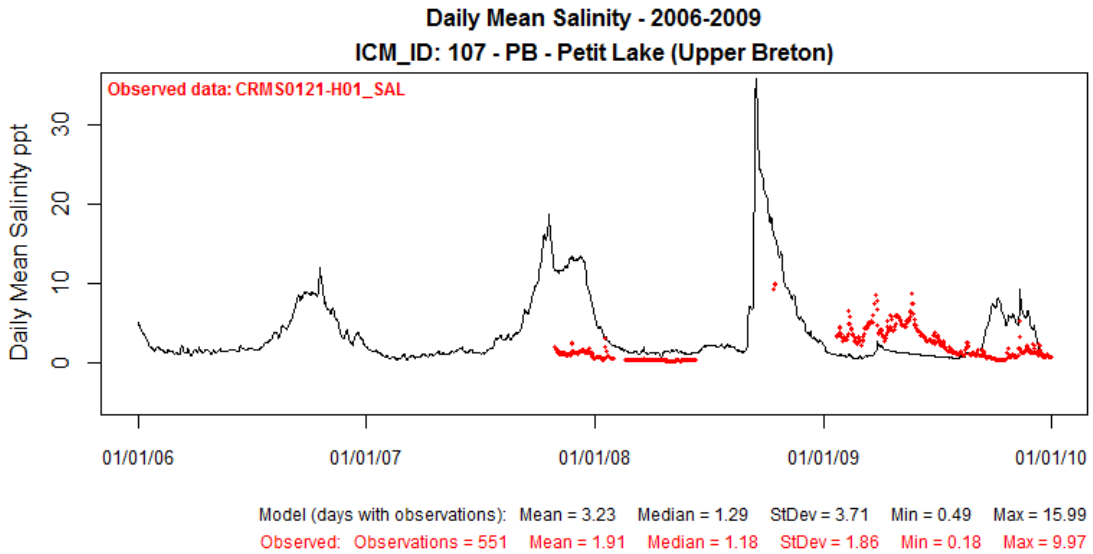

Figure 62: Modeled Salinity (ppt) at ICM Compartment 107 (solid black line) Compared to Observed Data at CRMS0121-H01 for Validation Period, 2006-2009.

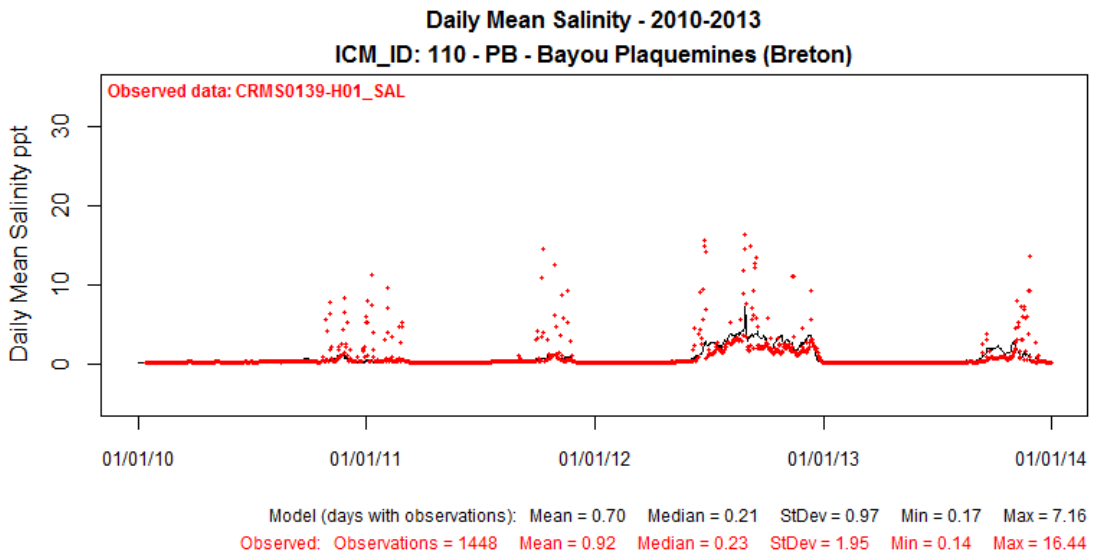

Figure 63: Modeled Salinity (ppt) at ICM Compartment 110 (solid black line) Compared to Observed Data at CRMS0139-H01 for Calibration Period, 2010-2013.

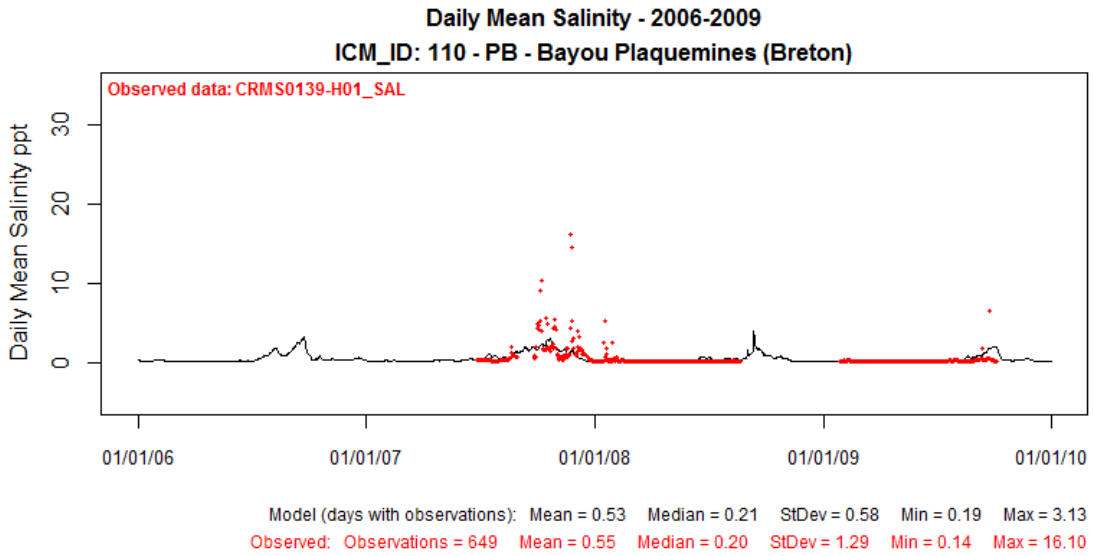

Figure 64: Modeled Salinity (ppt) at ICM Compartment 110 (solid black line) Compared to Observed Data at CRMS0139-H01 for Validation Period, 2006-2009.

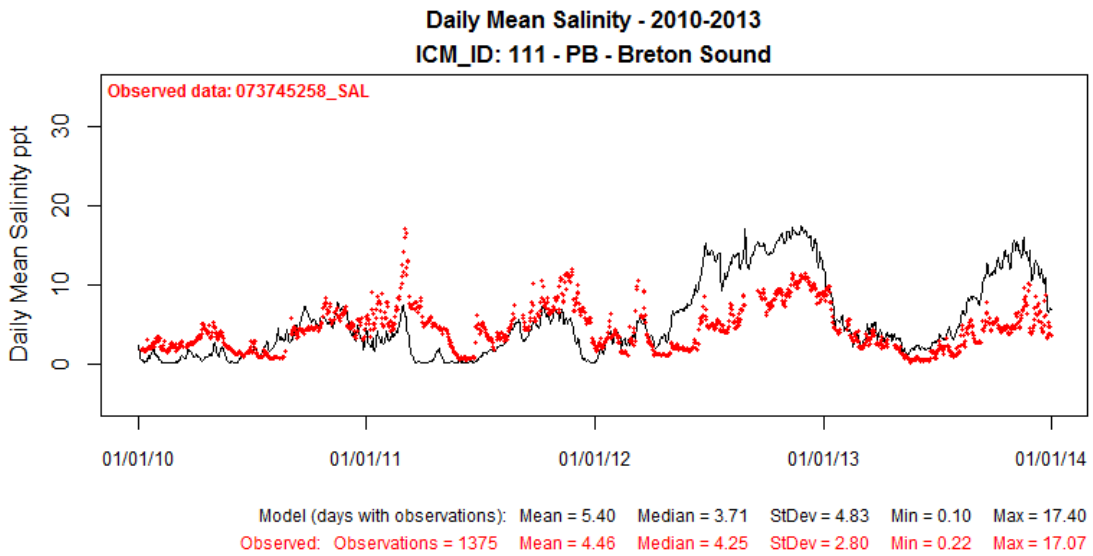

Figure 65: Modeled Salinity (ppt) at ICM Compartment 111 (solid black line) Compared to Observed Data at USGS073745258 for Calibration Period, 2010-2013.

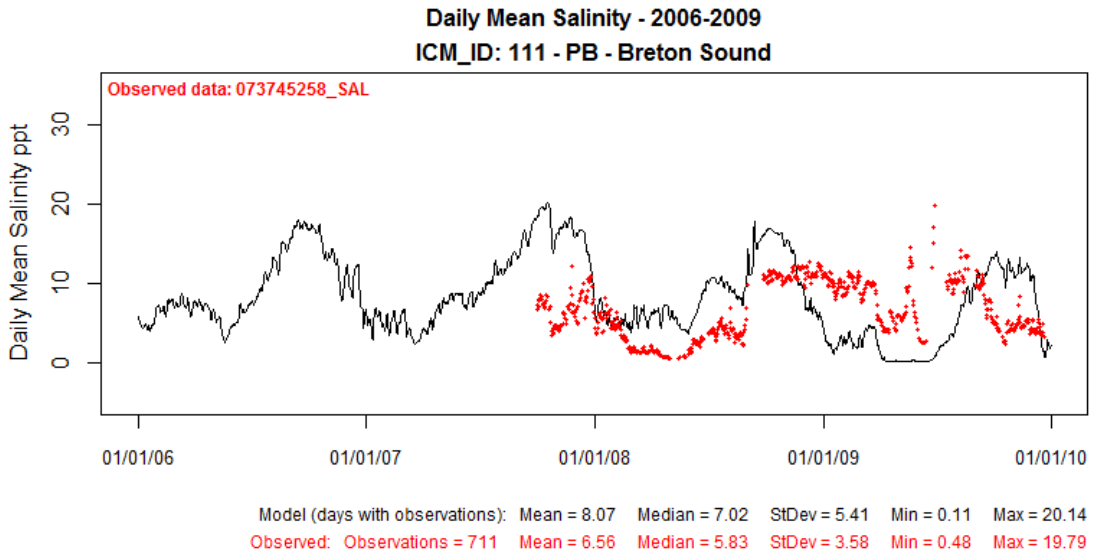

Figure 66: Modeled Salinity (ppt) at ICM Compartment 111 (solid black line) Compared to Observed Data at USGS073745258 for Validation Period, 2006-2009.

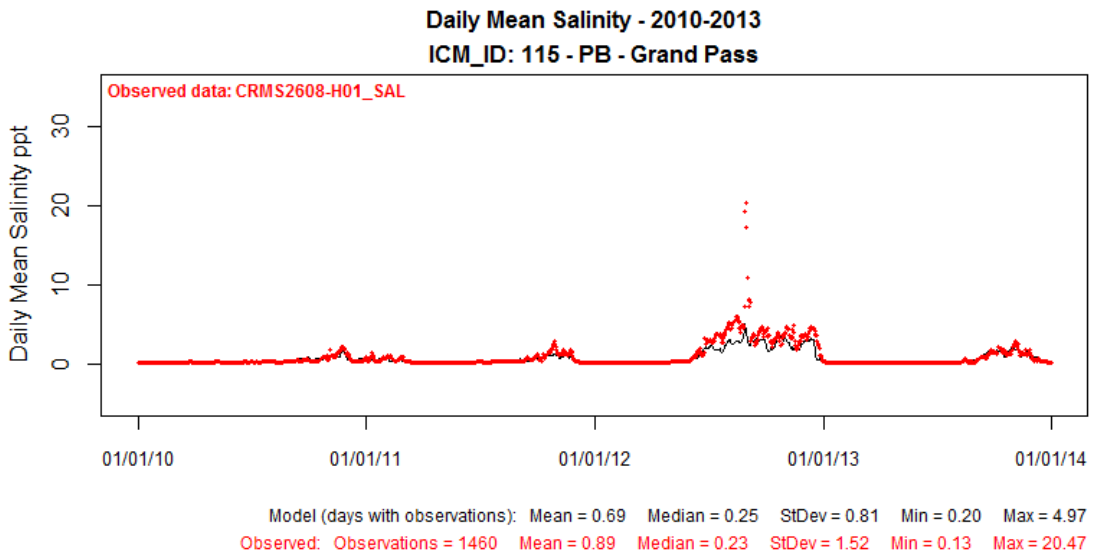

Figure 67: Modeled Salinity (ppt) at ICM Compartment 115 (solid black line) Compared to Observed Data at CRMS2608-H01 for Calibration Period, 2010-2013.

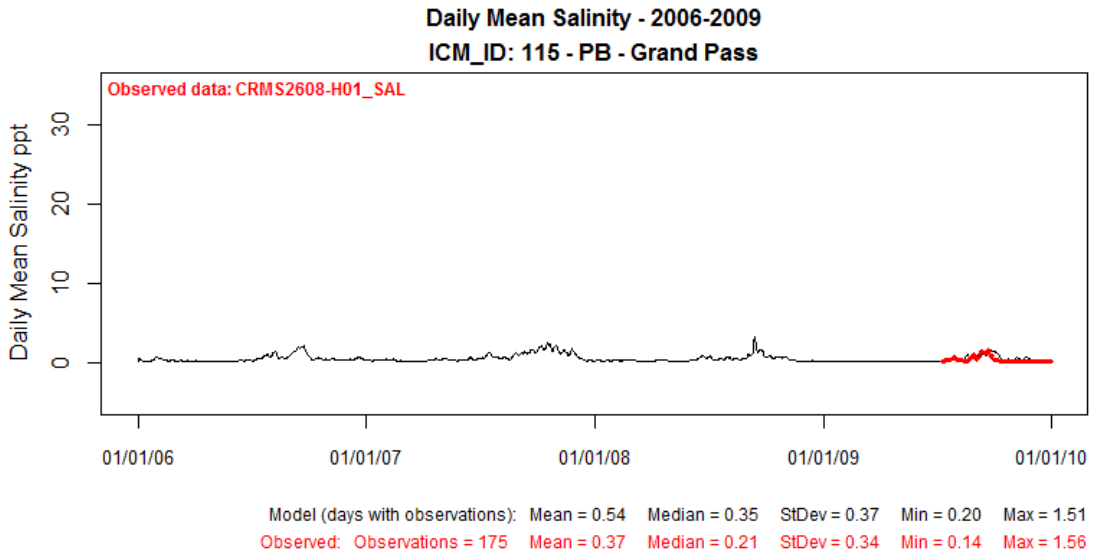

Figure 68: Modeled Salinity (ppt) at ICM Compartment 115 (solid black line) Compared to Observed Data at CRMS2608-H01 for Validation Period, 2006-2009.

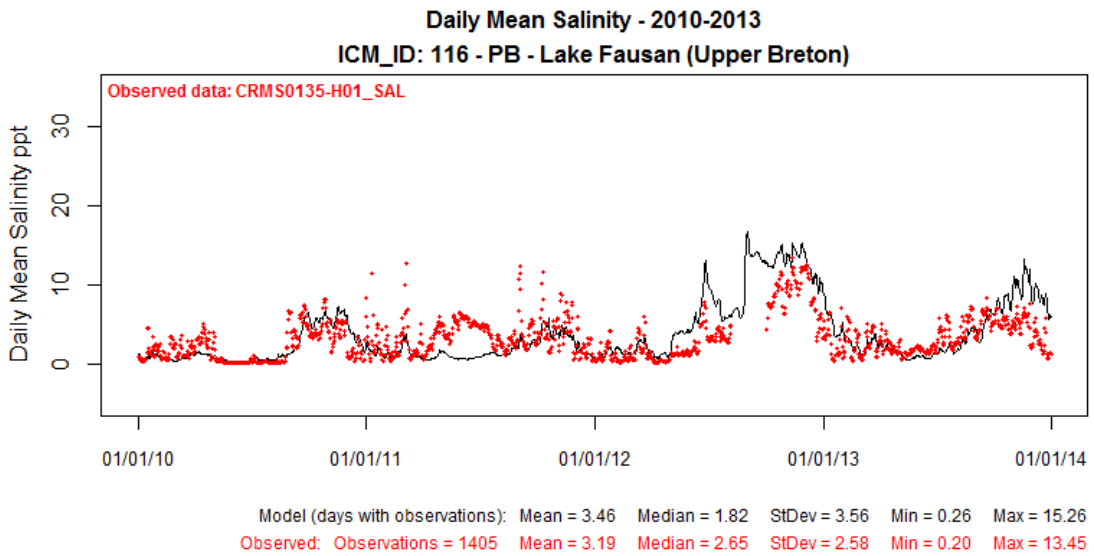

Figure 69: Modeled Salinity (ppt) at ICM Compartment 116 (solid black line) Compared to Observed Data at CRMS0135-H01 for Calibration Period, 2010-2013.

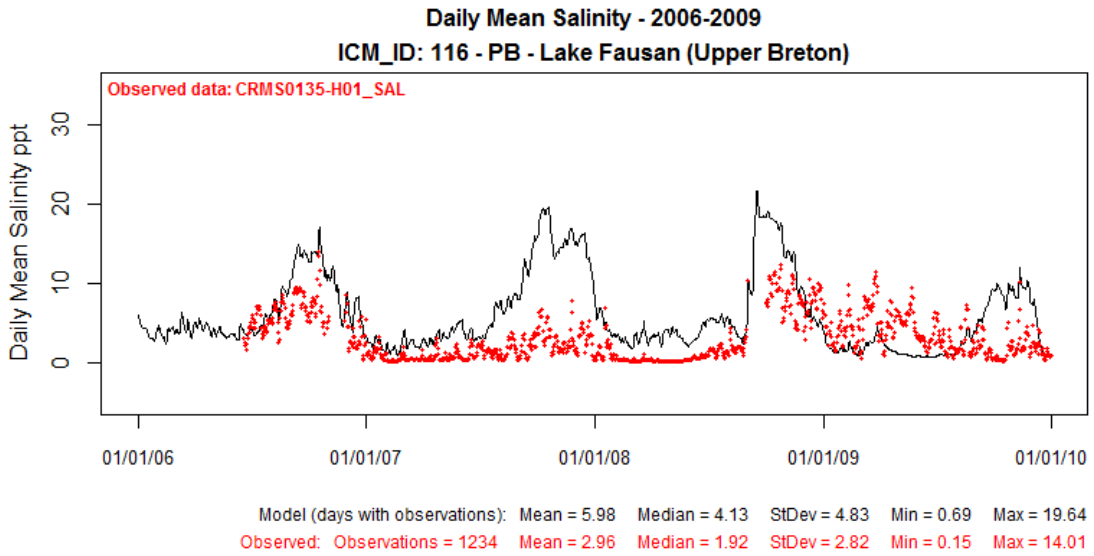

Figure 70: Modeled Salinity (ppt) at ICM Compartment 116 (solid black line) Compared to Observed Data at CRMS0135-H01 for Validation Period, 2006-2009.

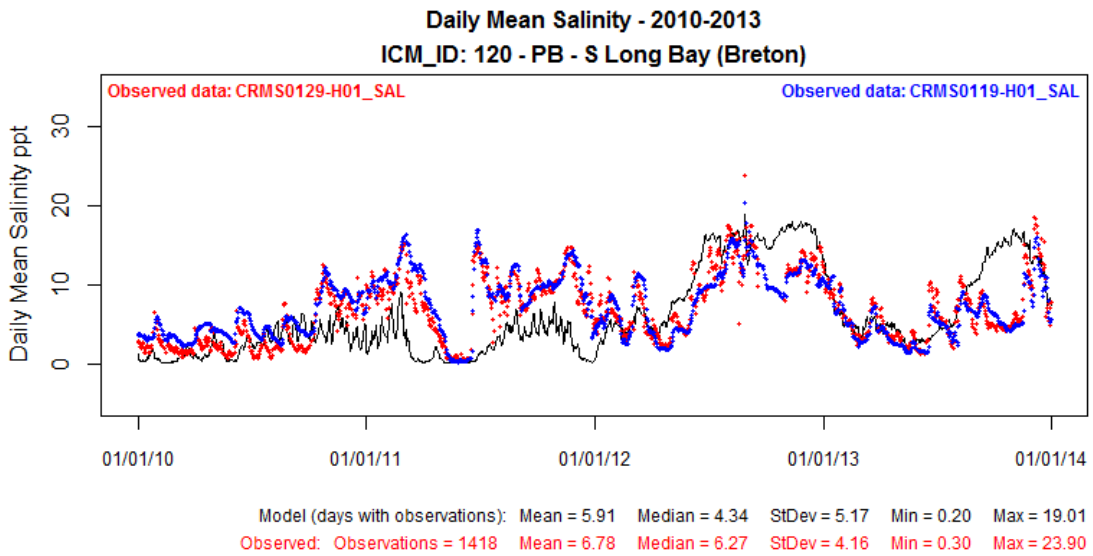

Figure 71: Modeled Salinity (ppt) at ICM Compartment 120 (solid black line) Compared to Observed Data at CRMS0129-H01 for Calibration Period, 2010-2013.

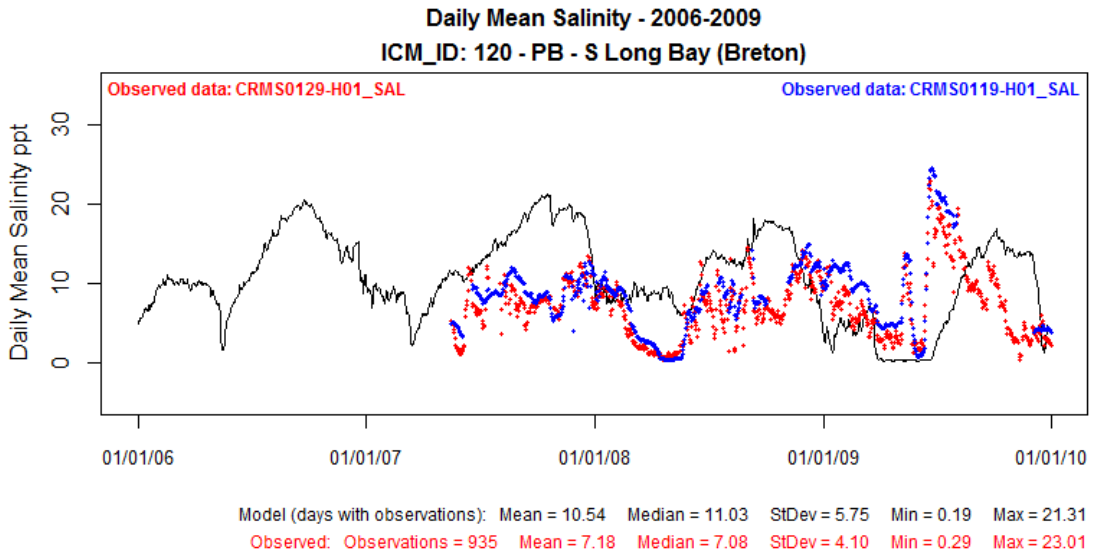

Figure 72: Modeled Salinity (ppt) at ICM Compartment 120 (solid black line) Compared to Observed Data at CRMS0129-H01 for Validation Period, 2006-2009.

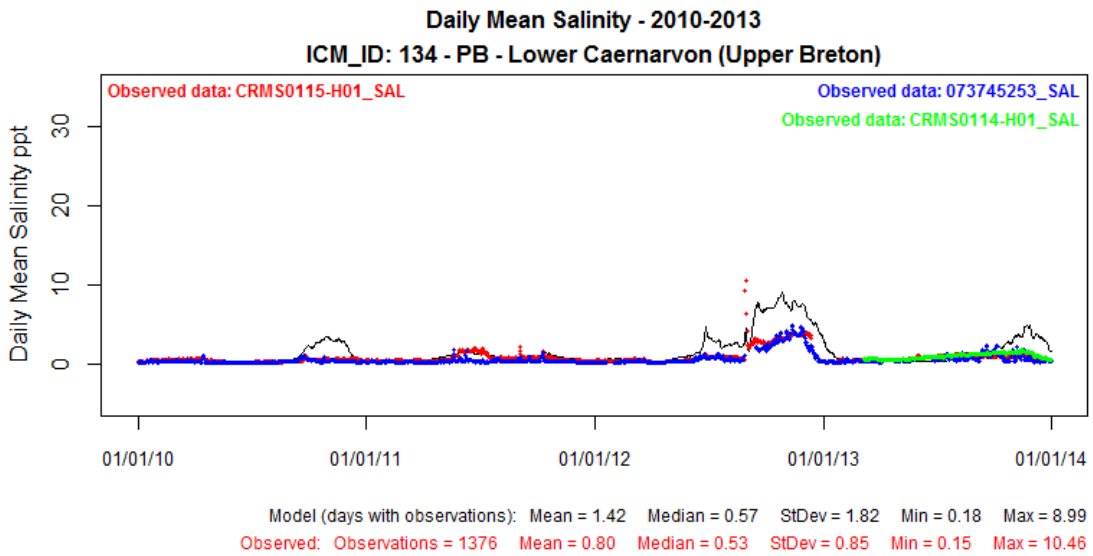

Figure 73: Modeled Salinity (ppt) at ICM Compartment 134 (solid black line) Compared to Observed Data at CRMS0115-H01 for Calibration Period, 2010-2013.

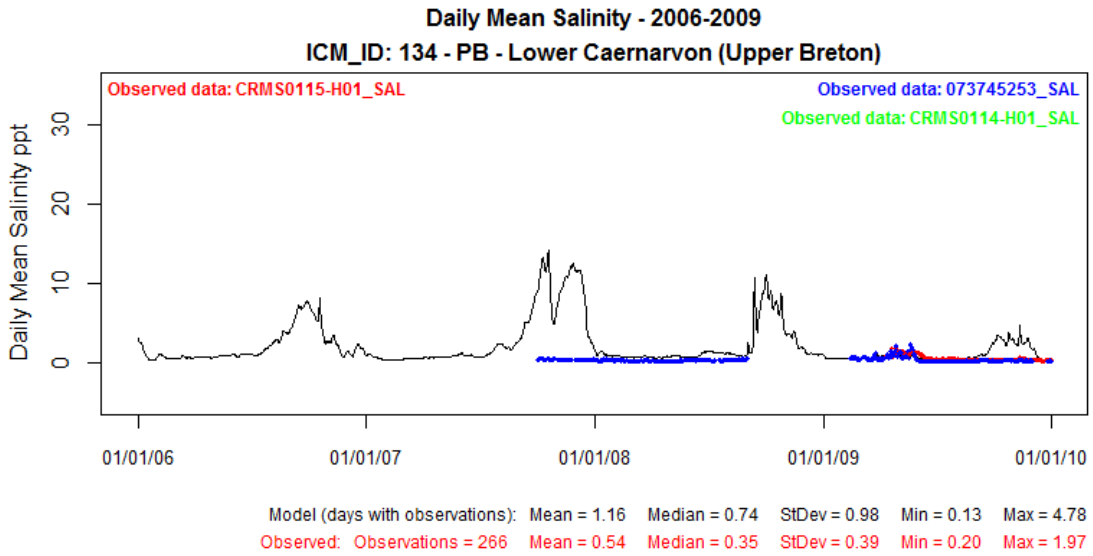

Figure 74: Modeled Salinity (ppt) at ICM Compartment 134 (solid black line) Compared to Observed Data at CRMS0115-H01 for Validation Period, 2006-2009.

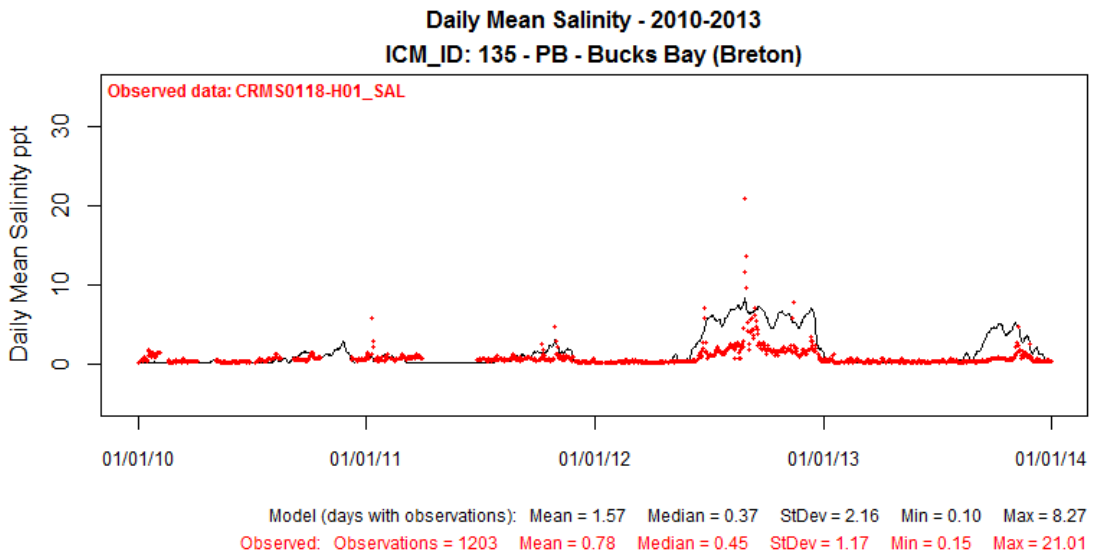

Figure 75: Modeled Salinity (ppt) at ICM Compartment 135 (solid black line) Compared to Observed Data at CRMS0118-H01 for Calibration Period, 2010-2013.

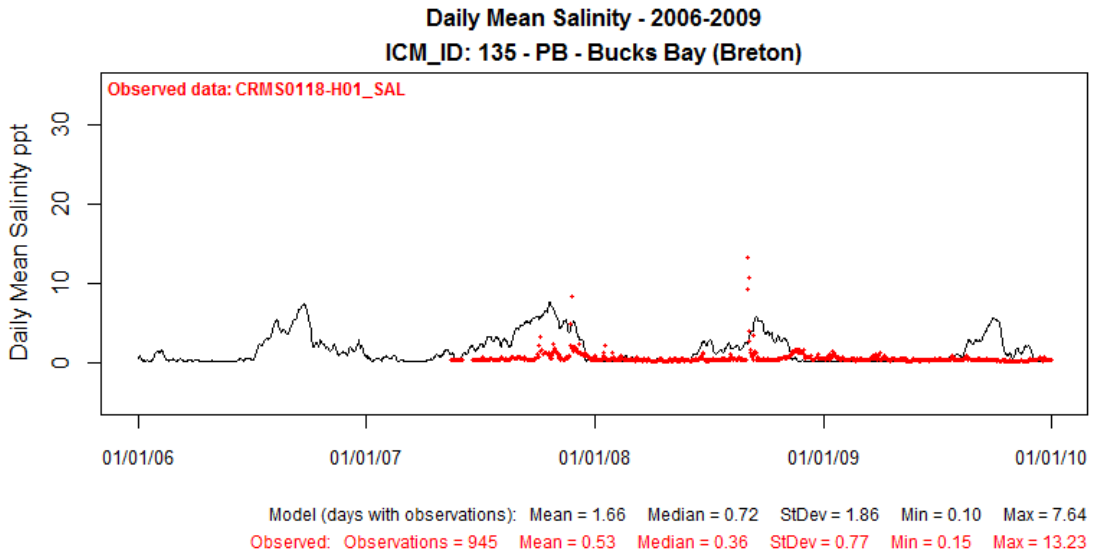

Figure 76: Modeled Salinity (ppt) at ICM Compartment 135 (solid black line) Compared to Observed Data at CRMS0118-H01 for Validation Period, 2006-2009.

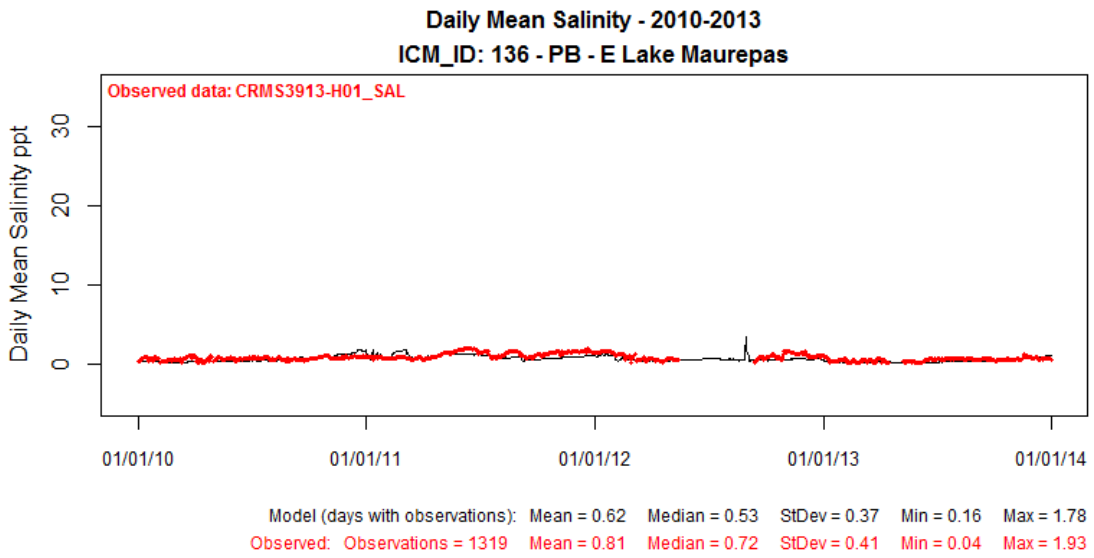

Figure 77: Modeled Salinity (ppt) at ICM Compartment 136 (solid black line) Compared to Observed Data at CRMS3913-H01 for Calibration Period, 2010-2013.

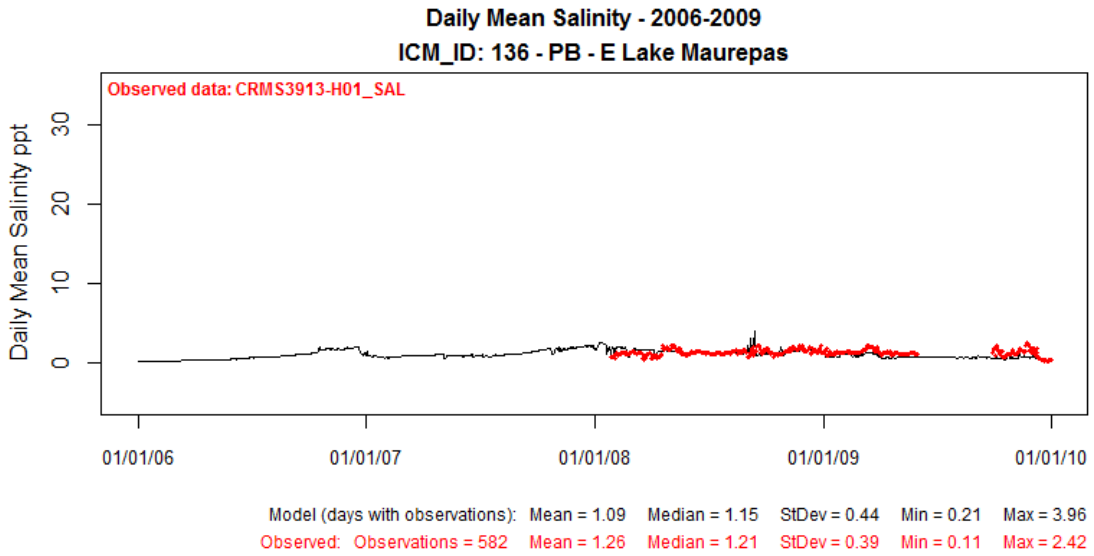

Figure 78: Modeled Salinity (ppt) at ICM Compartment 136 (solid black line) Compared to Observed Data at CRMS3913-H01 for Validation Period, 2006-2009.

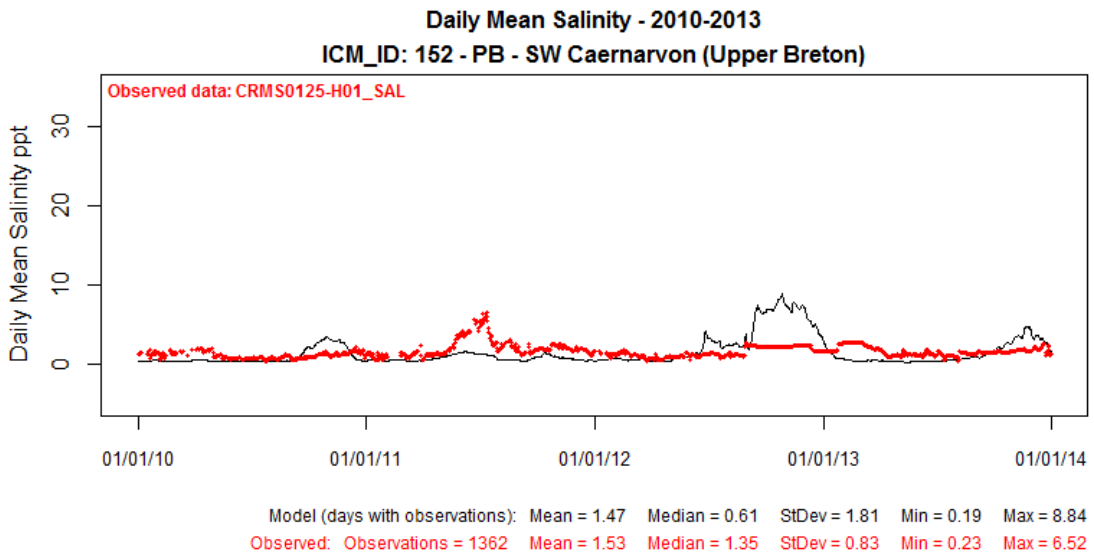

Figure 79: Modeled Salinity (ppt) at ICM Compartment 152 (solid black line) Compared to Observed Data at CRMS0125-H01 for Calibration Period, 2010-2013.

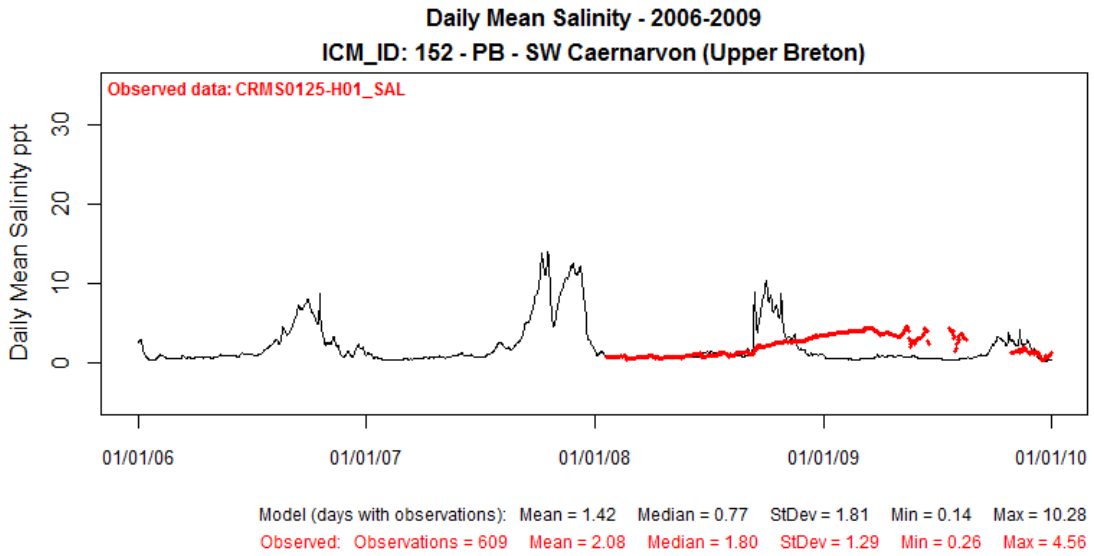

Figure 80: Modeled Salinity (ppt) at ICM Compartment 152 (solid black line) Compared to Observed Data at CRMS0125-H01 for Validation Period, 2006-2009.

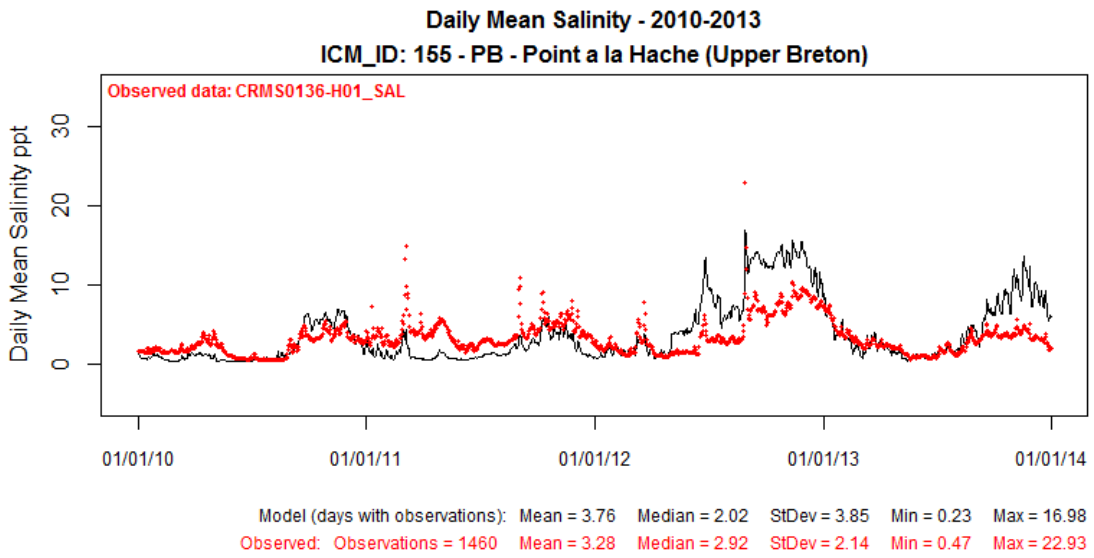

Figure 81: Modeled Salinity (ppt) at ICM Compartment 155 (solid black line) Compared to Observed Data at CRMS0136-H01 for Calibration Period, 2010-2013.

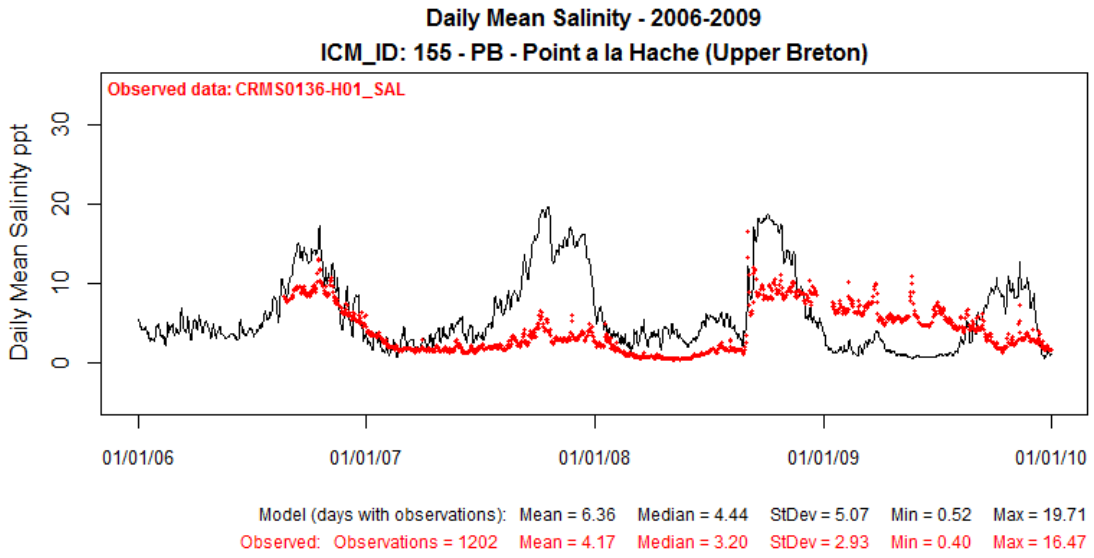

Figure 82: Modeled Salinity (ppt) at ICM Compartment 155 (solid black line) Compared to Observed Data at CRMS0136-H01 for Validation Period, 2006-2009.

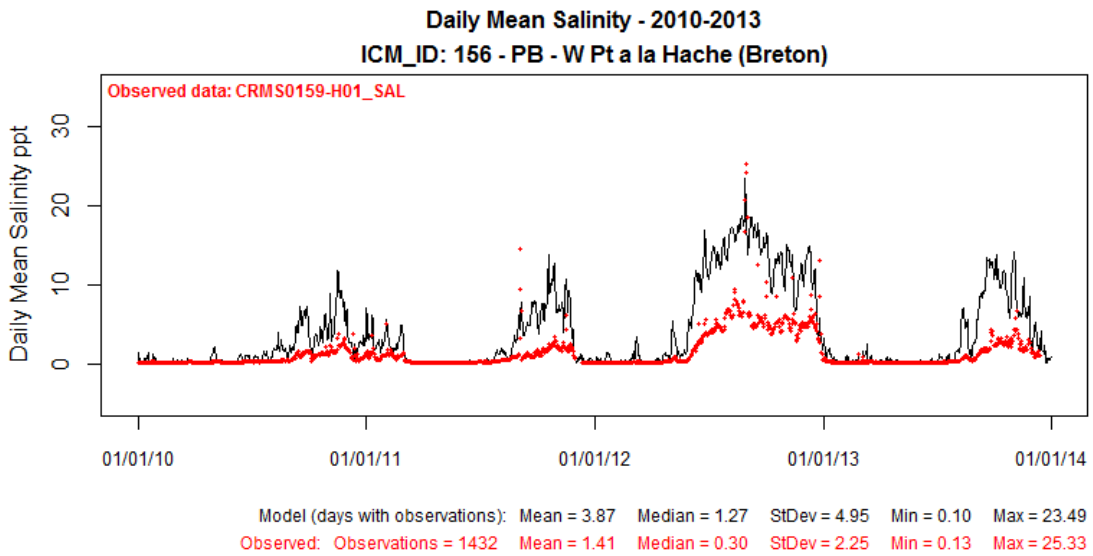

Figure 83: Modeled Salinity (ppt) at ICM Compartment 156 (solid black line) Compared to Observed Data at CRMS0159-H01 for Calibration Period, 2010-2013.

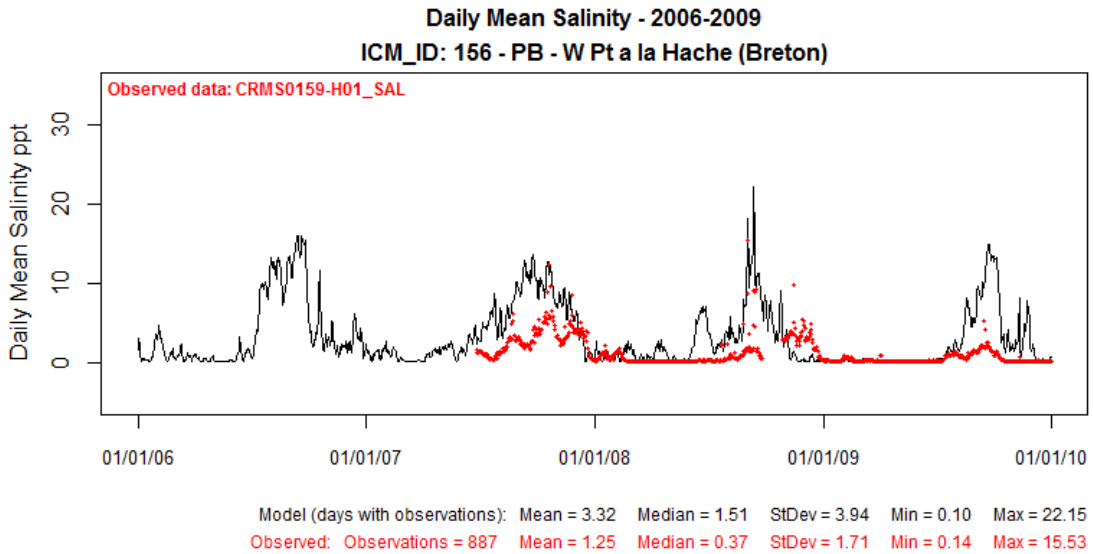

Figure 84: Modeled Salinity (ppt) at ICM Compartment 156 (solid black line) Compared to Observed Data at CRMS0159-H01 for Validation Period, 2006-2009.

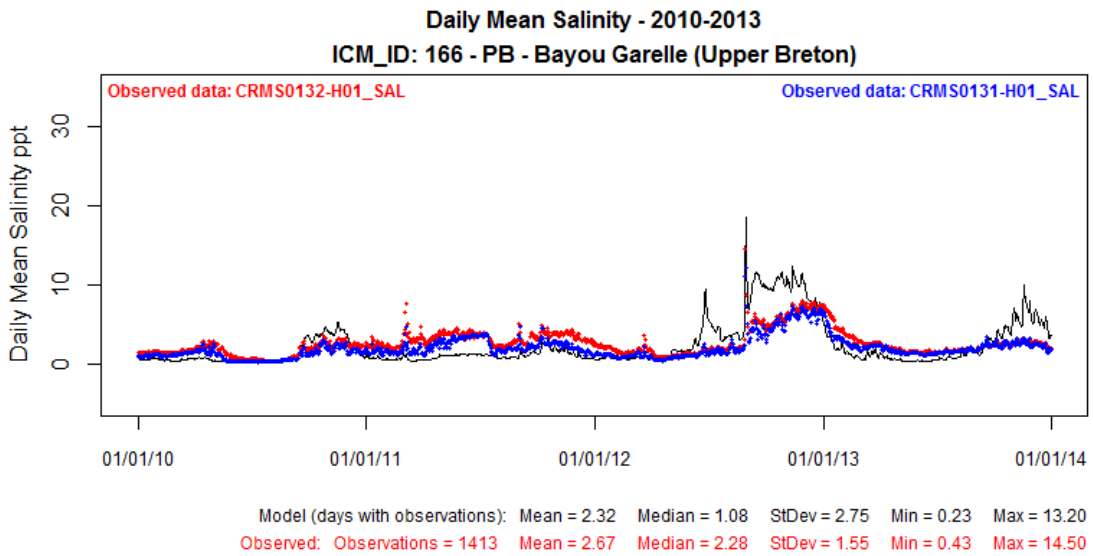

Figure 85: Modeled Salinity (ppt) at ICM Compartment 166 (solid black line) Compared to Observed Data at CRMS0132-H01 for Calibration Period, 2010-2013.

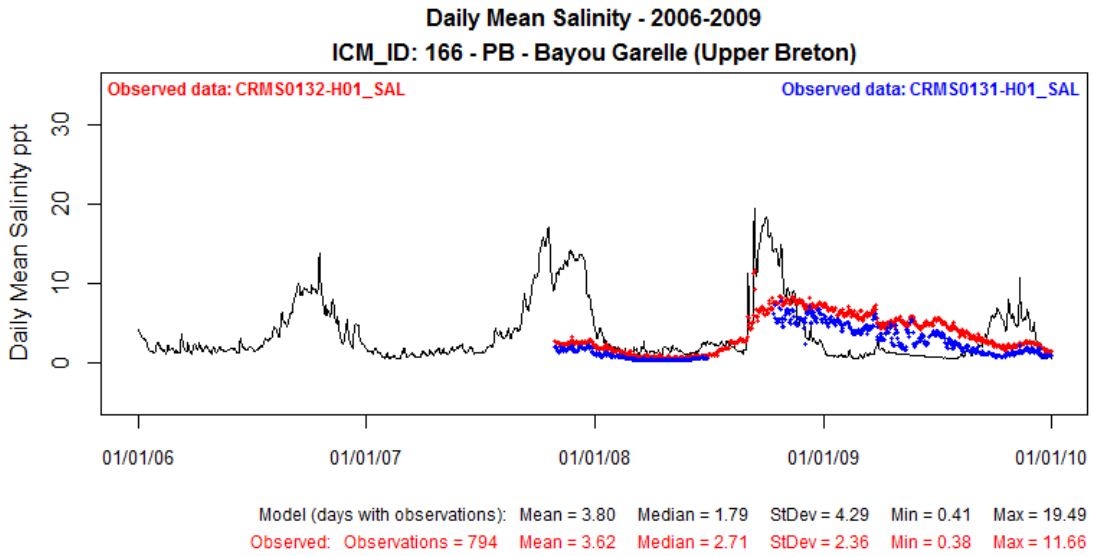

Figure 86: Modeled Salinity (ppt) at ICM Compartment 166 (solid black line) Compared to Observed Data at CRMS0132-H01 for Validation Period, 2006-2009.

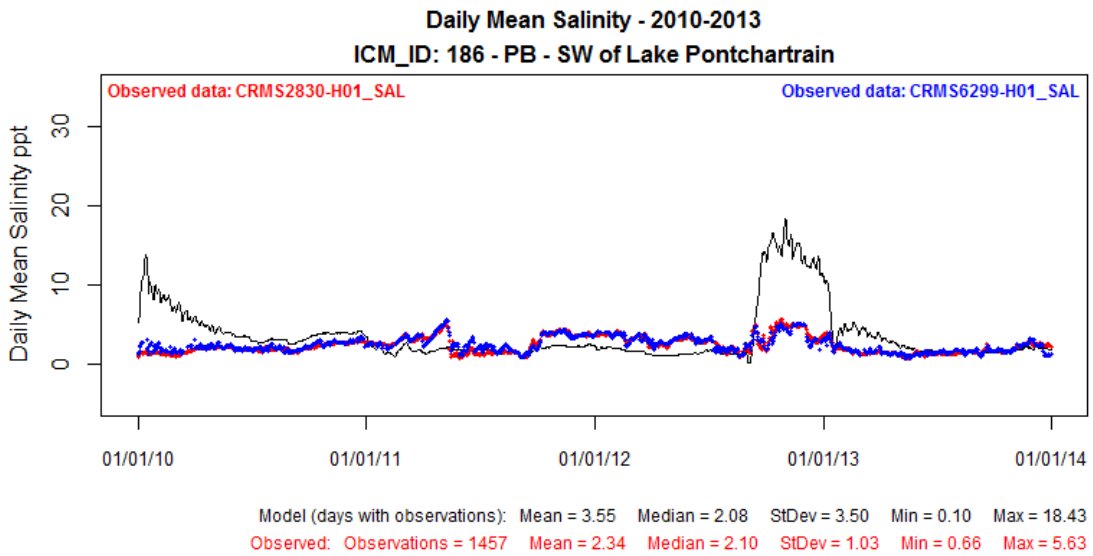

Figure 87: Modeled Salinity (ppt) at ICM Compartment 186 (solid black line) Compared to Observed Data at CRMS2830-H01 for Calibration Period, 2010-2013.

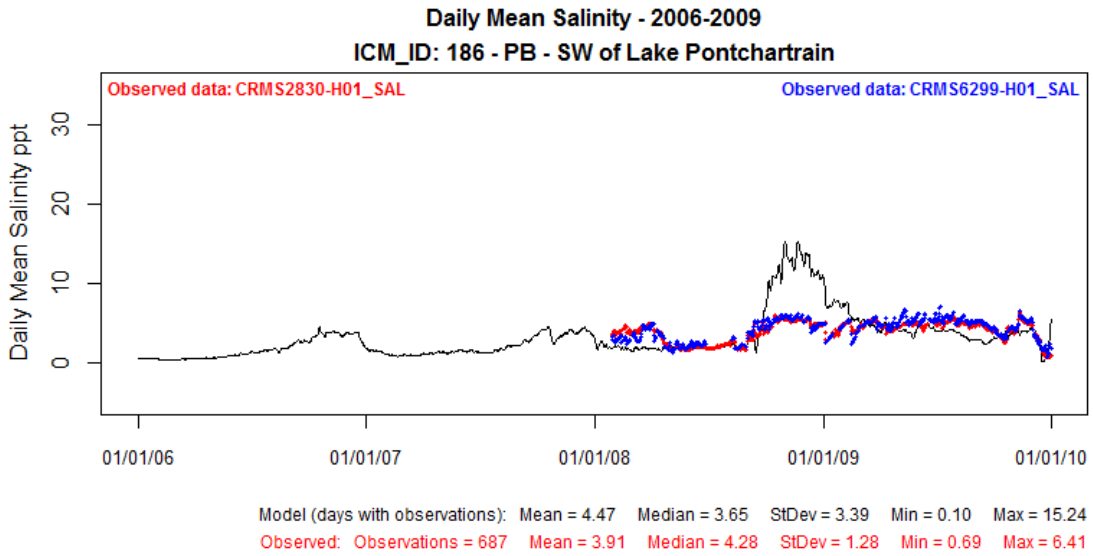

Figure 88: Modeled Salinity (ppt) at ICM Compartment 186 (solid black line) Compared to Observed Data at CRMS2830-H01 for Validation Period, 2006-2009.

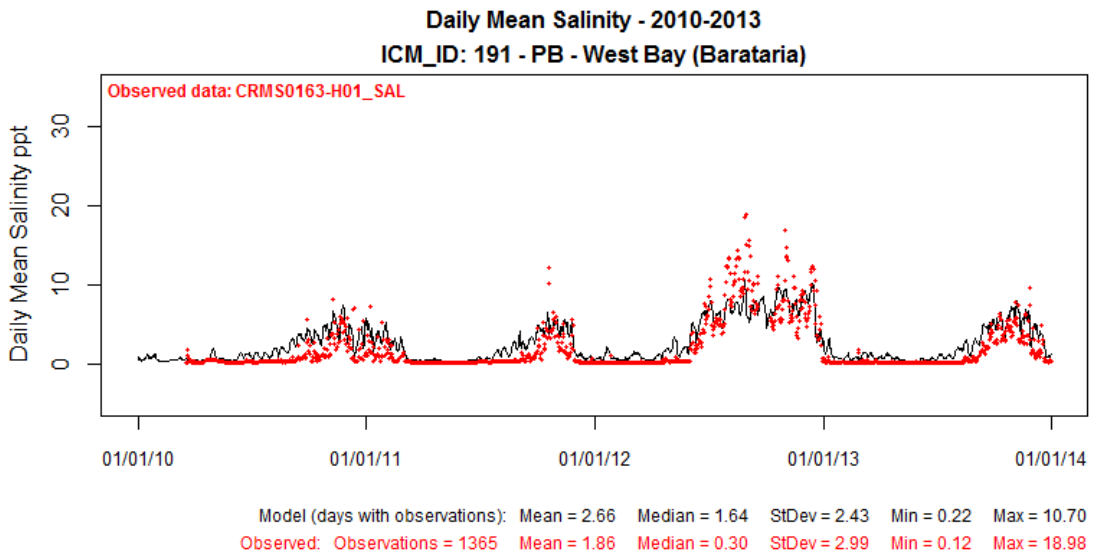

Figure 89: Modeled Salinity (ppt) at ICM Compartment 191 (solid black line) Compared to Observed Data at CRMS0163-H01 for Calibration Period, 2010-2013.

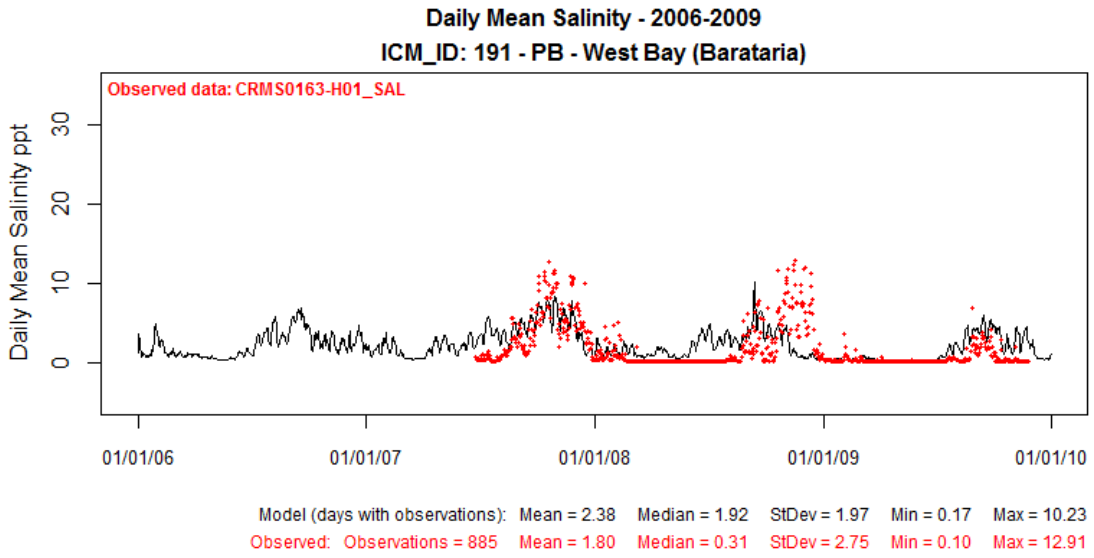

Figure 90: Modeled Salinity (ppt) at ICM Compartment 191 (solid black line) Compared to Observed Data at CRMS0163-H01 for Validation Period, 2006-2009.

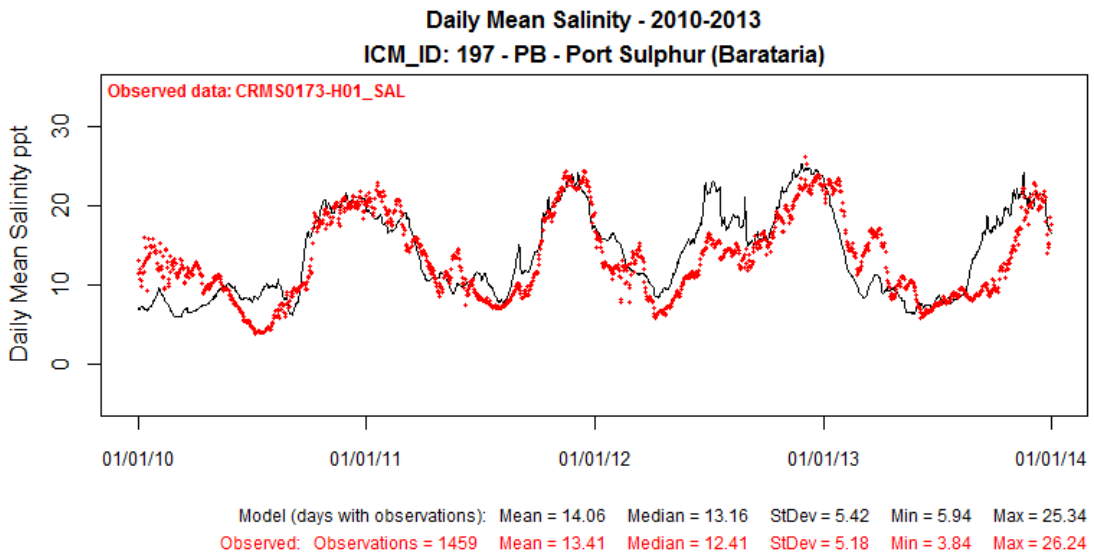

Figure 91: Modeled Salinity (ppt) at ICM Compartment 197 (solid black line) Compared to Observed Data at CRMS0173-H01 for Calibration Period, 2010-2013.

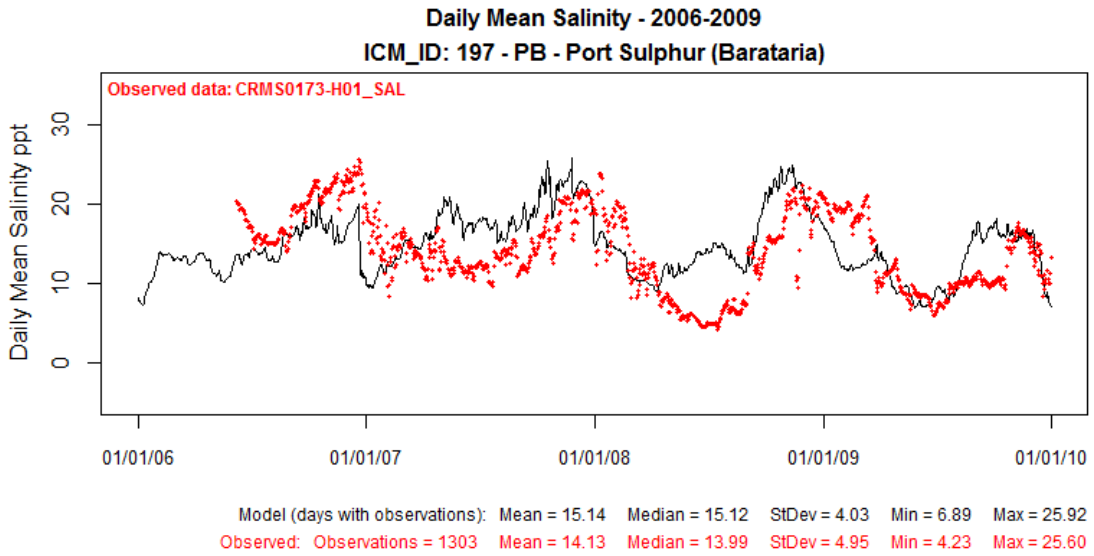

Figure 92: Modeled Salinity (ppt) at ICM Compartment 197 (solid black line) Compared to Observed Data at CRMS0173-H01 for Validation Period, 2006-2009.

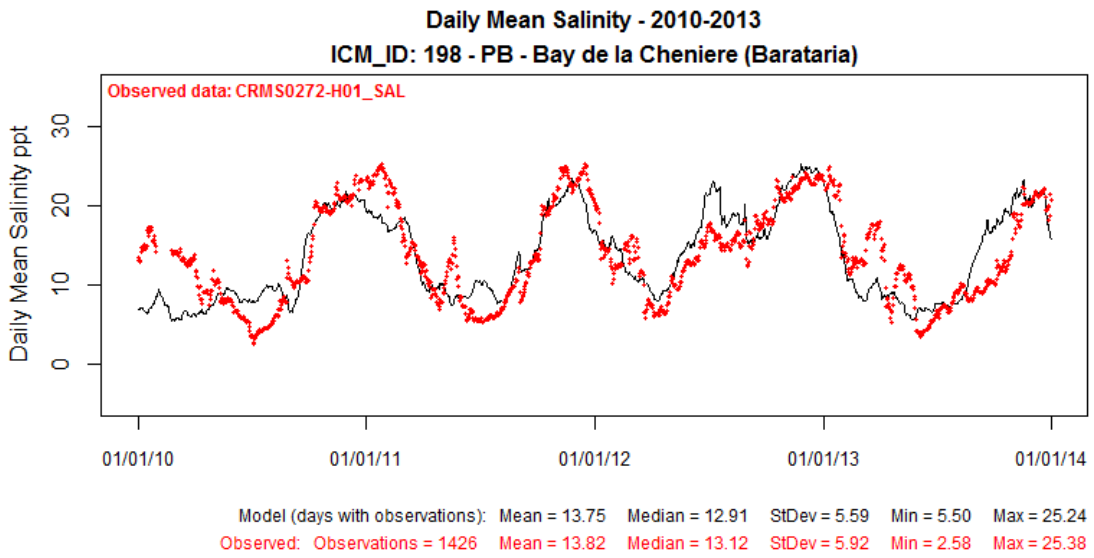

Figure 93: Modeled Salinity (ppt) at ICM Compartment 198 (solid black line) Compared to Observed Data at CRMS0272-H01 for Calibration Period, 2010-2013.

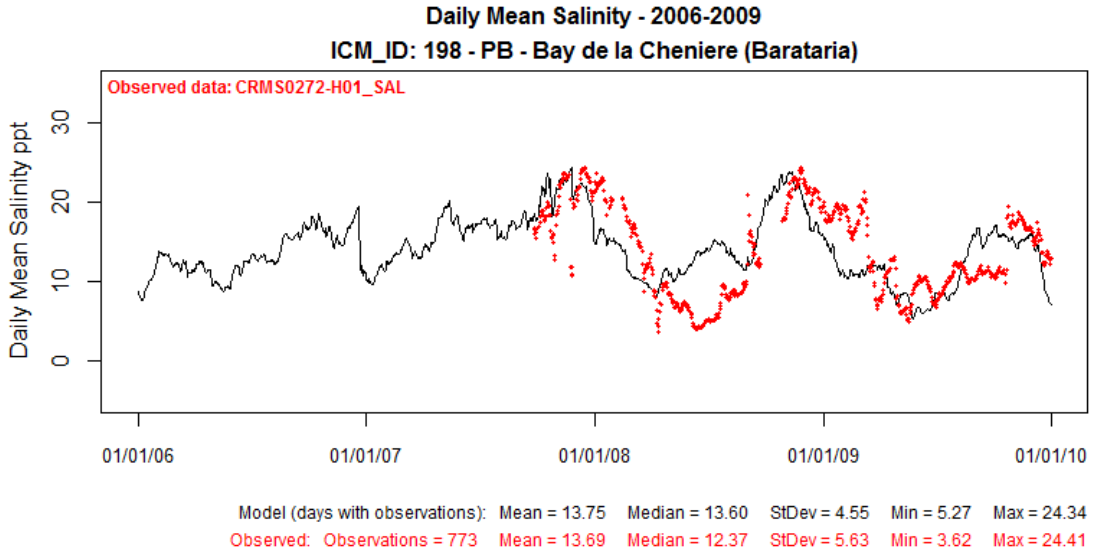

Figure 94: Modeled Salinity (ppt) at ICM Compartment 198 (solid black line) Compared to Observed Data at CRMS0272-H01 for Validation Period, 2006-2009.

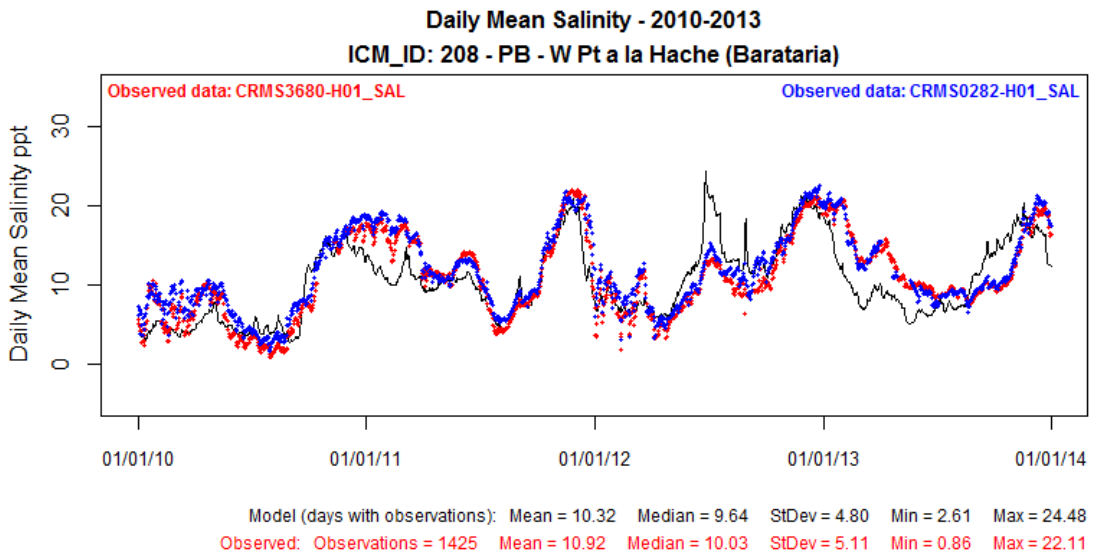

Figure 95: Modeled Salinity (ppt) at ICM Compartment 208 (solid black line) Compared to Observed Data at CRMS3680-H01 for Calibration Period, 2010-2013.

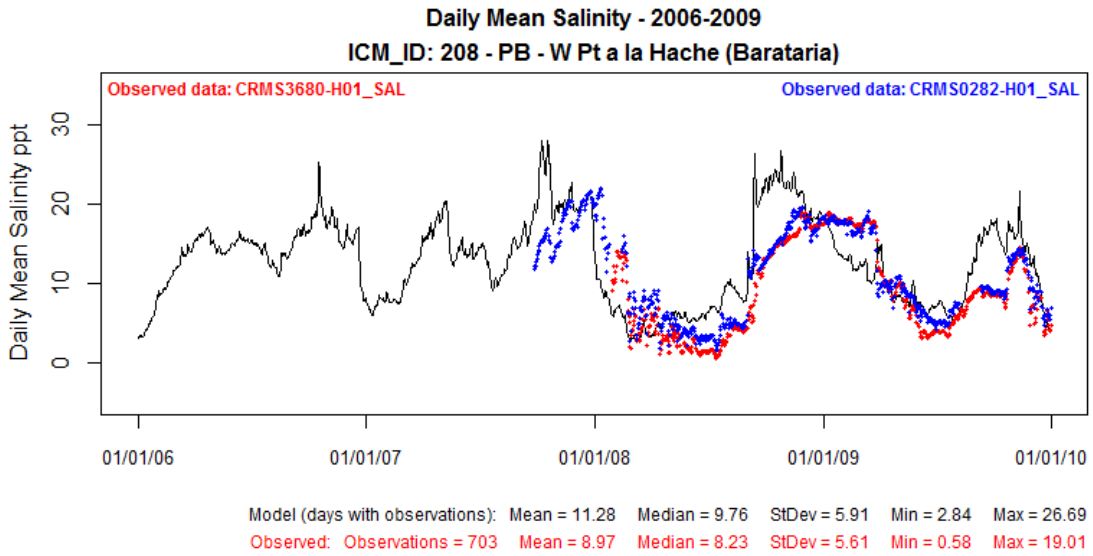

Figure 96: Modeled Salinity (ppt) at ICM Compartment 208 (solid black line) Compared to Observed Data at CRMS3680-H01 for Validation Period, 2006-2009.

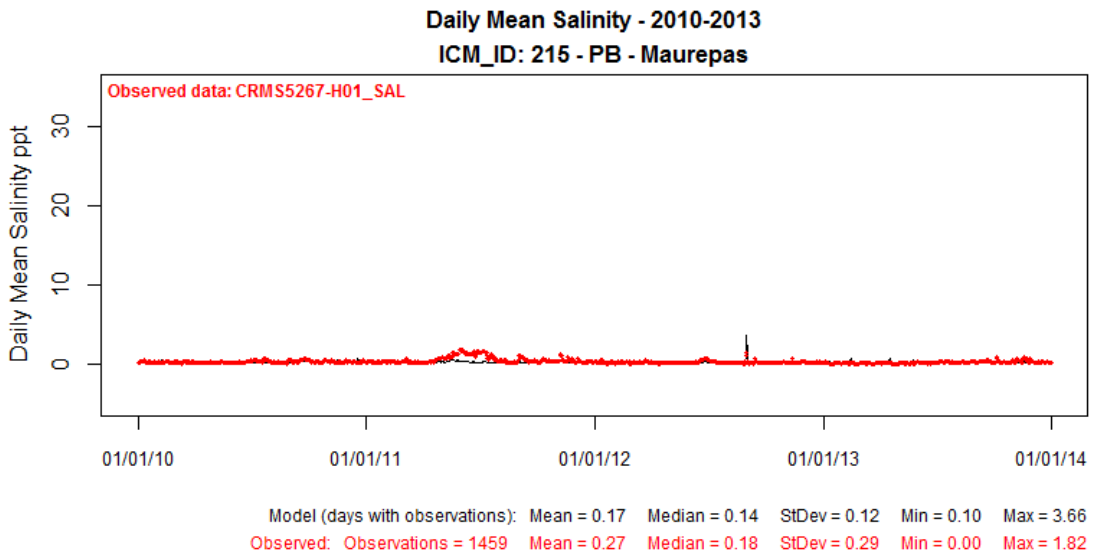

Figure 97: Modeled Salinity (ppt) at ICM Compartment 215 (solid black line) Compared to Observed Data at CRMS5267-H01 for Calibration Period, 2010-2013.

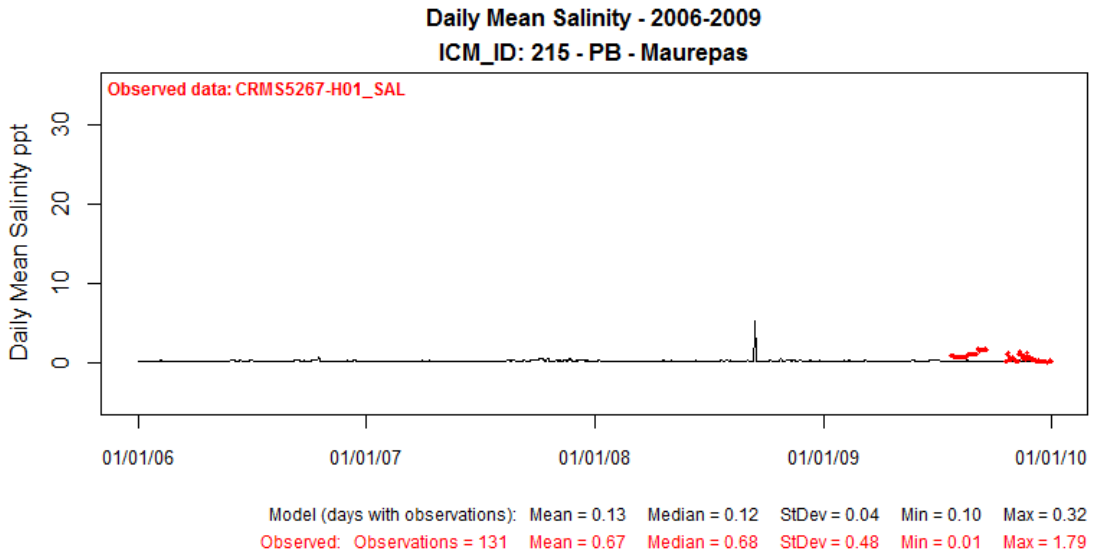

Figure 98: Modeled Salinity (ppt) at ICM Compartment 215 (solid black line) Compared to Observed Data at CRMS5267-H01 for Validation Period, 2006-2009.

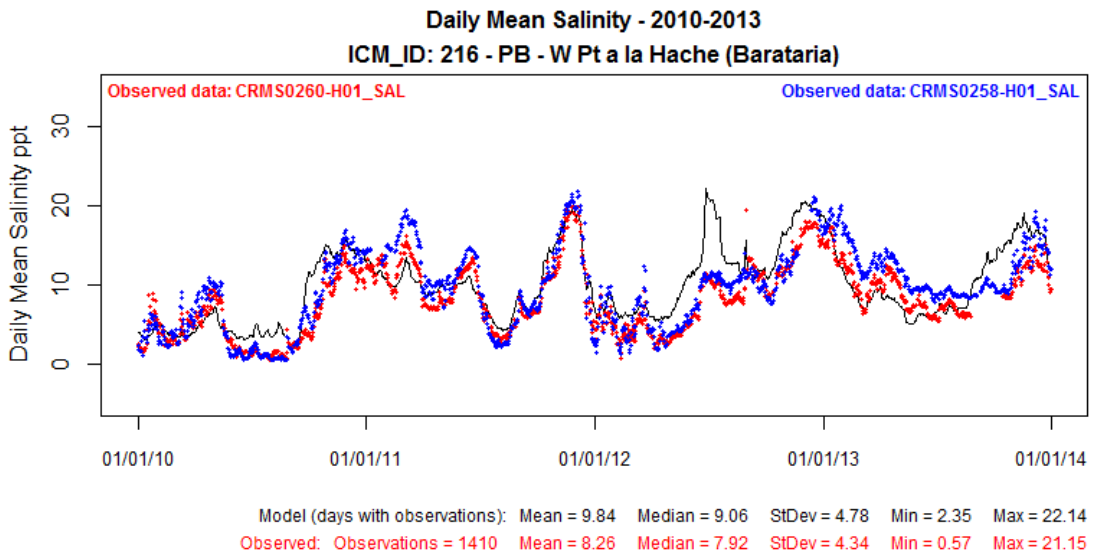

Figure 99: Modeled Salinity (ppt) at ICM Compartment 216 (solid black line) Compared to Observed Data at CRMS0260-H01 for Calibration Period, 2010-2013.

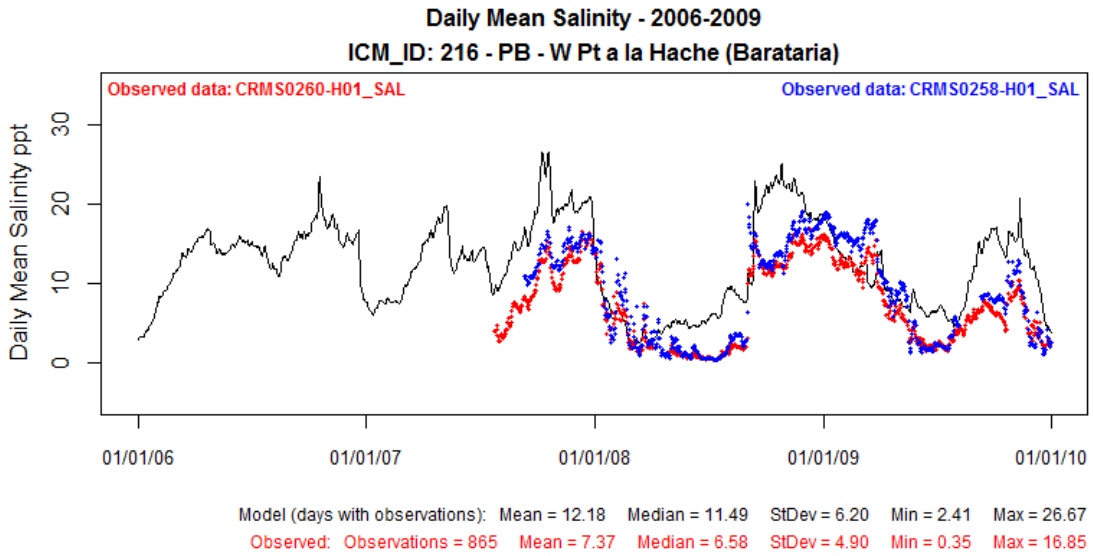

Figure 100: Modeled Salinity (ppt) at ICM Compartment 216 (solid black line) Compared to Observed Data at CRMS0260-H01 for Validation Period, 2006-2009.

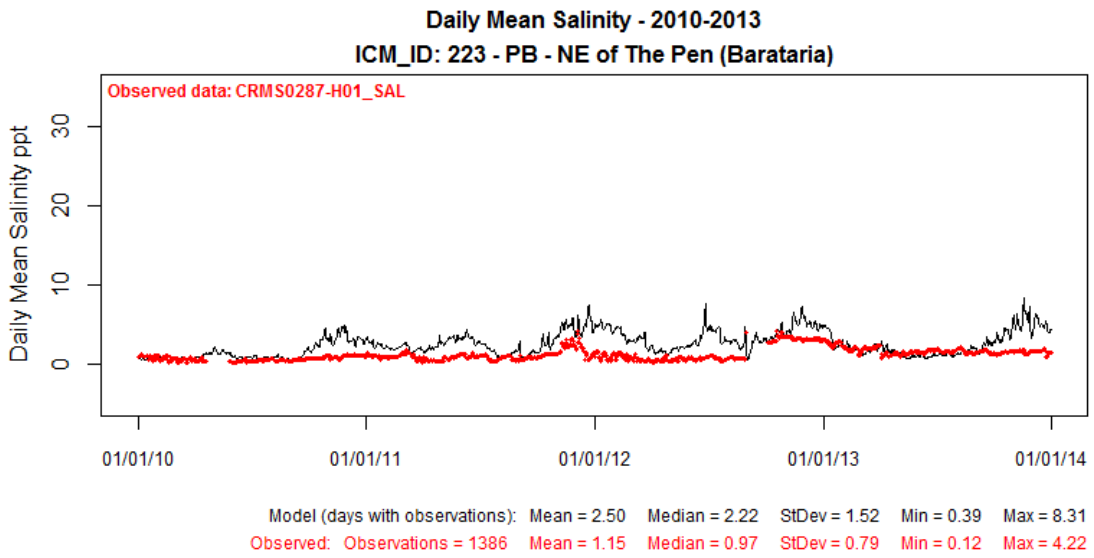

Figure 101: Modeled Salinity (ppt) at ICM Compartment 223 (solid black line) Compared to Observed Data at CRMS0287-H01 for Calibration Period, 2010-2013.

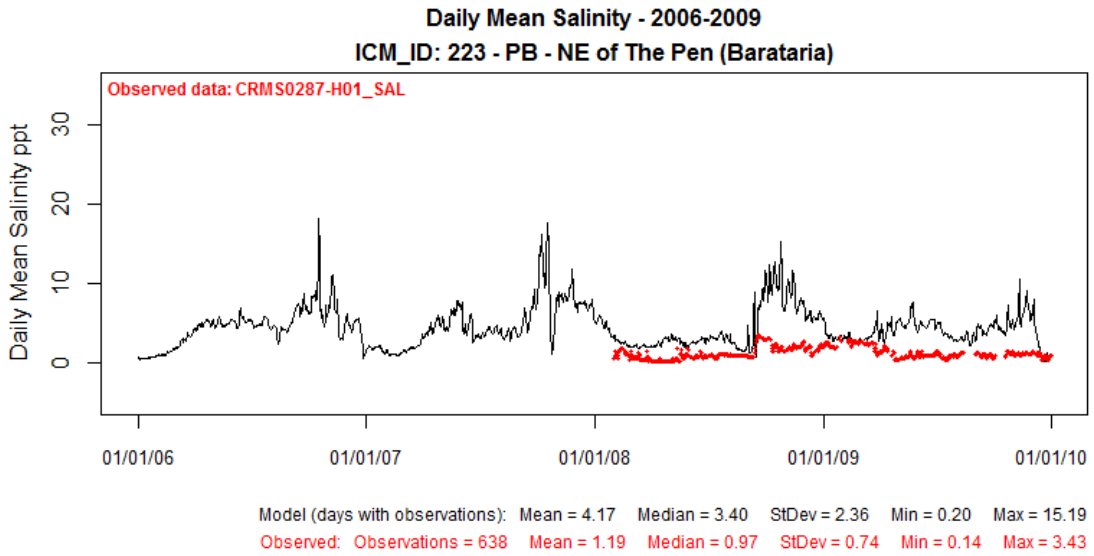

Figure 102: Modeled Salinity (ppt) at ICM Compartment 223 (solid black line) Compared to Observed Data at CRMS0287-H01 for Validation Period, 2006-2009.

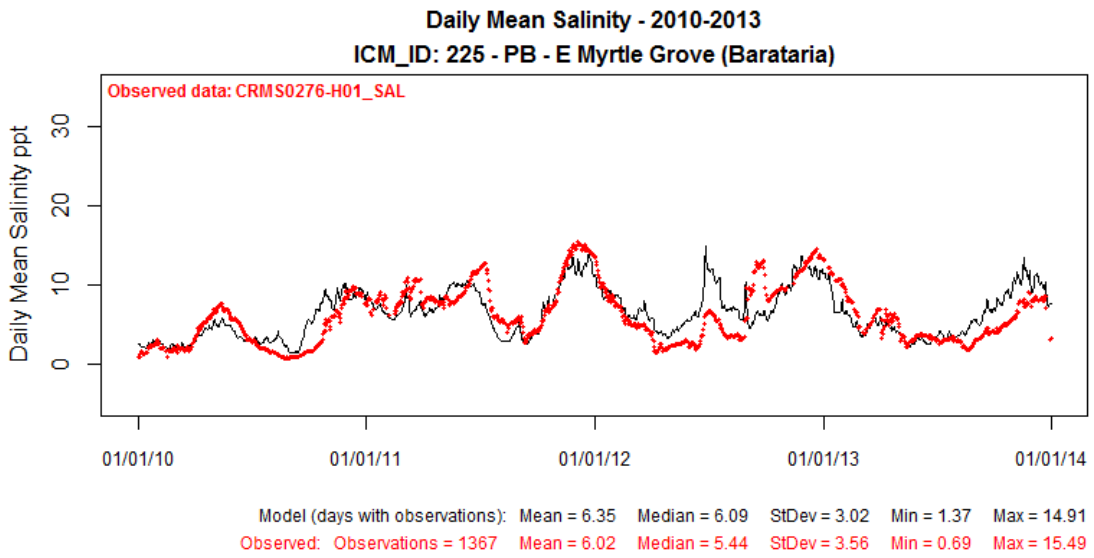

Figure 103: Modeled Salinity (ppt) at ICM Compartment 225 (solid black line) Compared to Observed Data at CRMS0276-H01 for Calibration Period, 2010-2013.

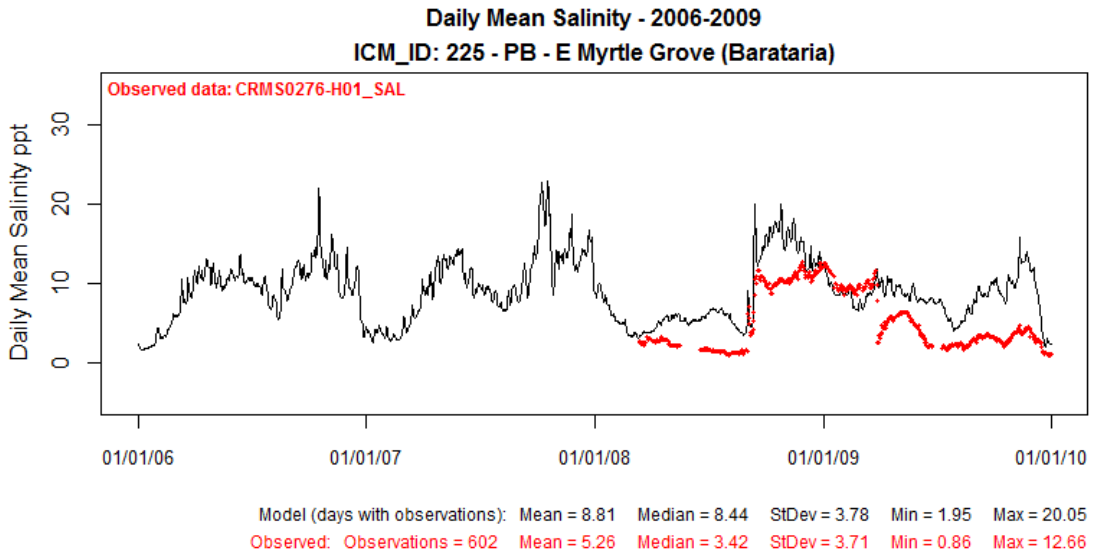

Figure 104: Modeled Salinity (ppt) at ICM Compartment 225 (solid black line) Compared to Observed Data at CRMS0276-H01 for Validation Period, 2006-2009.

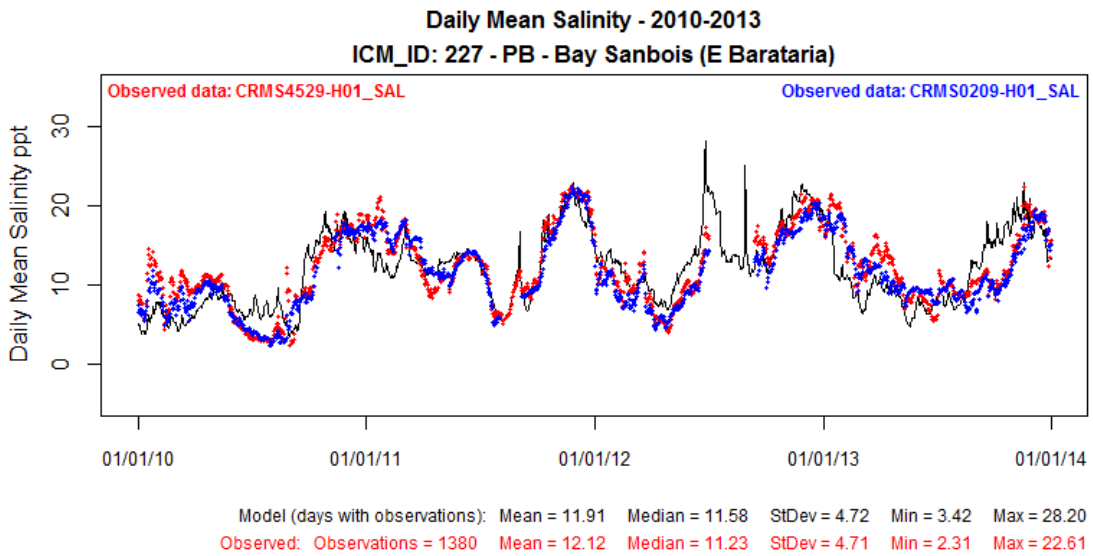

Figure 105: Modeled Salinity (ppt) at ICM Compartment 227 (solid black line) Compared to Observed Data at CRMS4529-H01 for Calibration Period, 2010-2013.

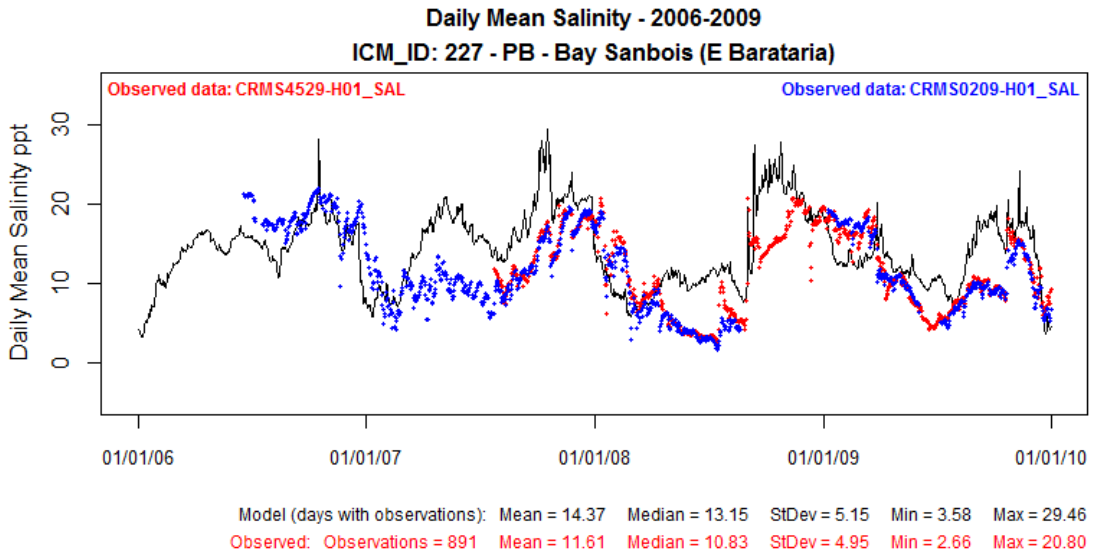

Figure 106: Modeled Salinity (ppt) at ICM Compartment 227 (solid black line) Compared to Observed Data at CRMS4529-H01 for Validation Period, 2006-2009.

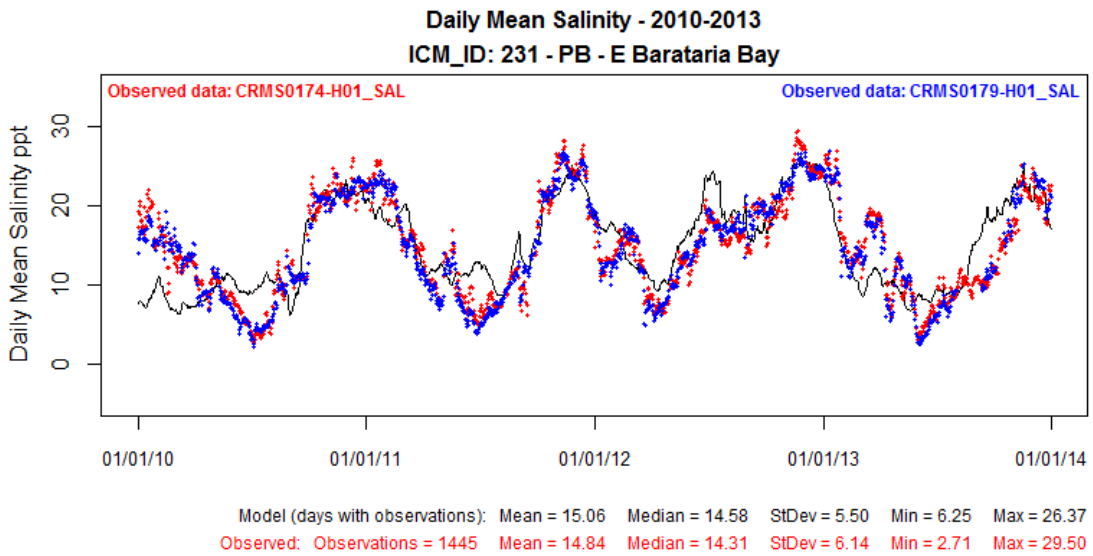

Figure 107: Modeled Salinity (ppt) at ICM Compartment 231 (solid black line) Compared to Observed Data at CRMS0174-H01 for Calibration Period, 2010-2013.

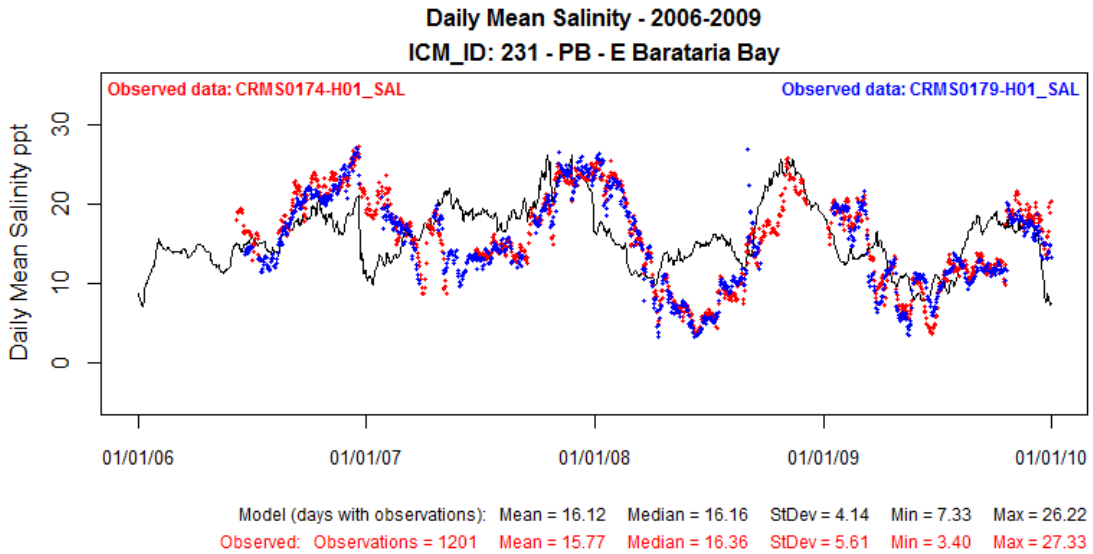

Figure 108: Modeled Salinity (ppt) at ICM Compartment 231 (solid black line) Compared to Observed Data at CRMS0174-H01 for Validation Period, 2006-2009.

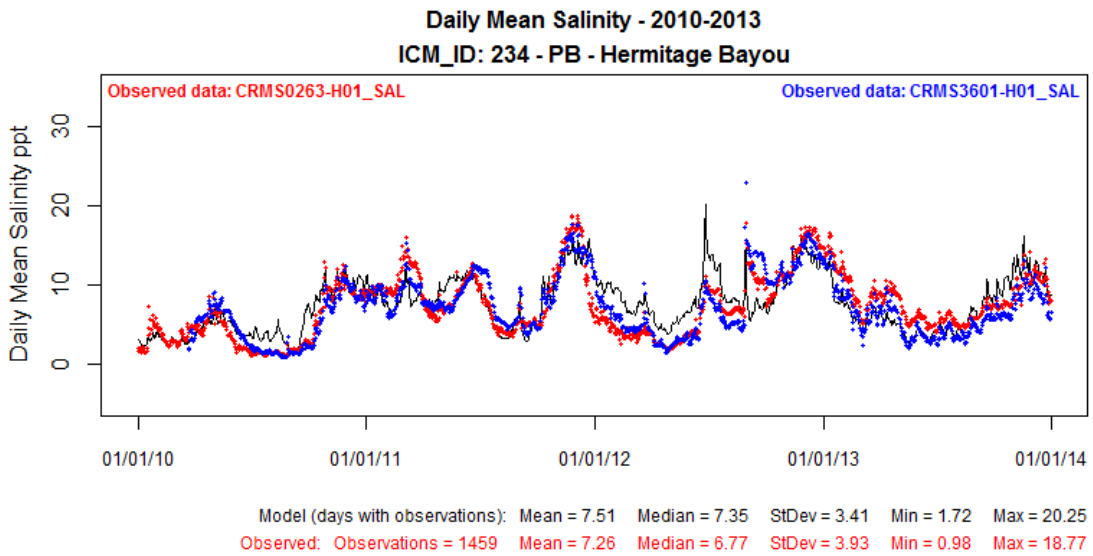

Figure 109: Modeled Salinity (ppt) at ICM Compartment 234 (solid black line) Compared to Observed Data at CRMS0263-H01 for Calibration Period, 2010-2013.

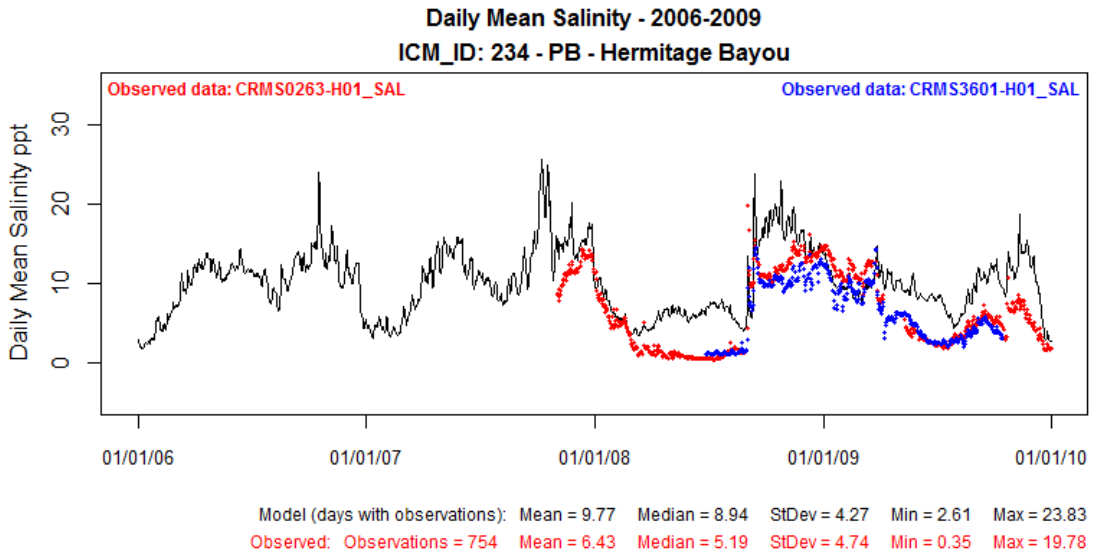

Figure 110: Modeled Salinity (ppt) at ICM Compartment 234 (solid black line) Compared to Observed Data at CRMS0263-H01 for Validation Period, 2006-2009.

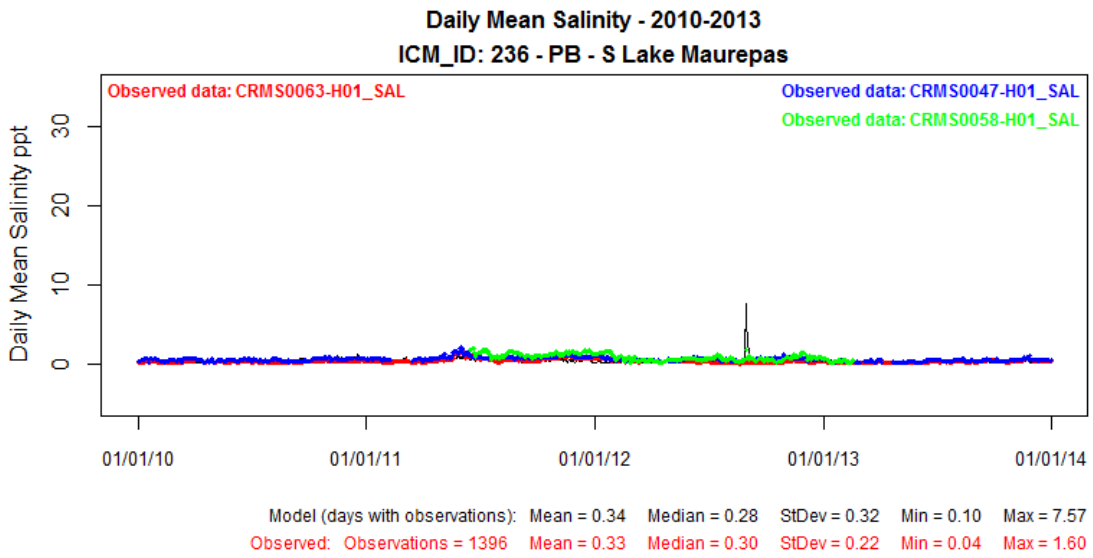

Figure 111: Modeled Salinity (ppt) at ICM Compartment 236 (solid black line) Compared to Observed Data at CRMS0063-H01 for Calibration Period, 2010-2013.

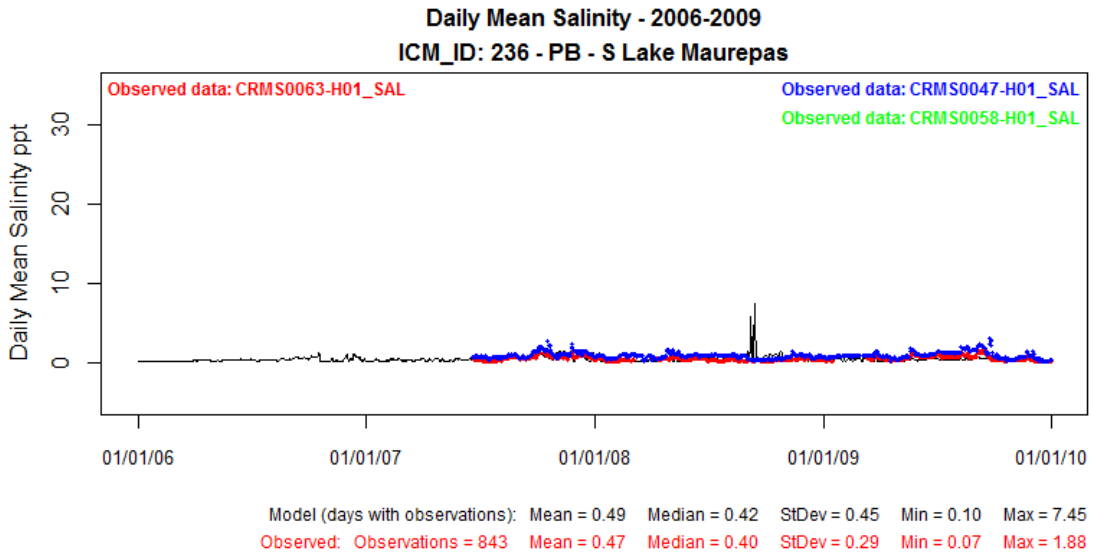

Figure 112: Modeled Salinity (ppt) at ICM Compartment 236 (solid black line) Compared to Observed Data at CRMS0063-H01 for Validation Period, 2006-2009.

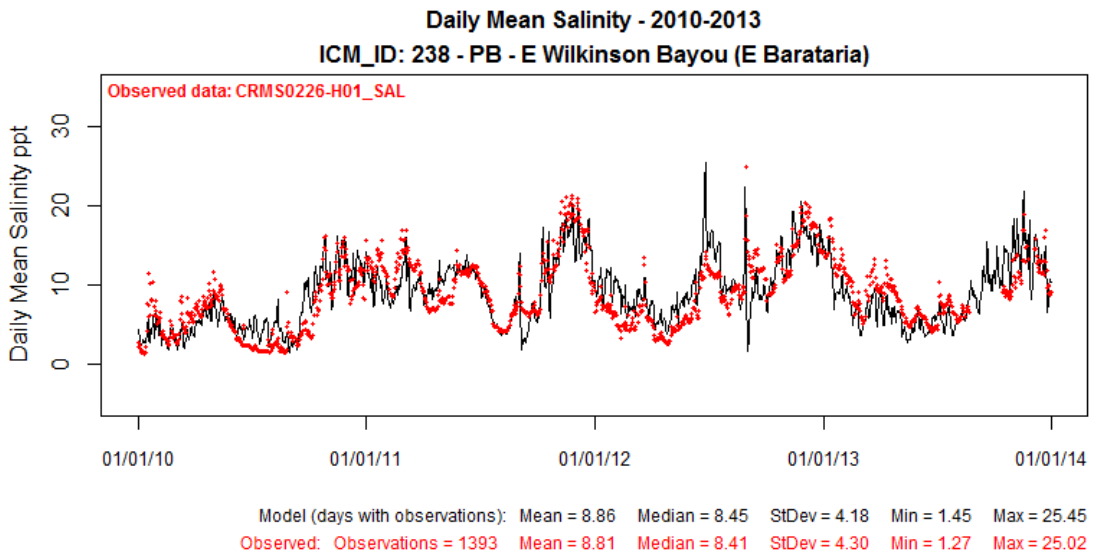

Figure 113: Modeled Salinity (ppt) at ICM Compartment 238 (solid black line) Compared to Observed Data at CRMS0226-H01 for Calibration Period, 2010-2013.

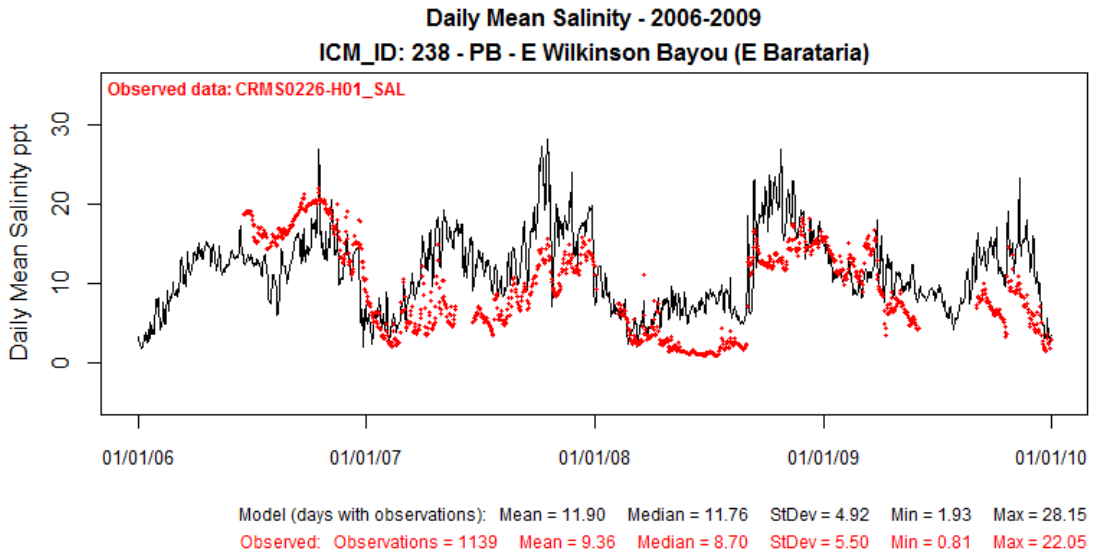

Figure 114: Modeled Salinity (ppt) at ICM Compartment 238 (solid black line) Compared to Observed Data at CRMS0226-H01 for Validation Period, 2006-2009.

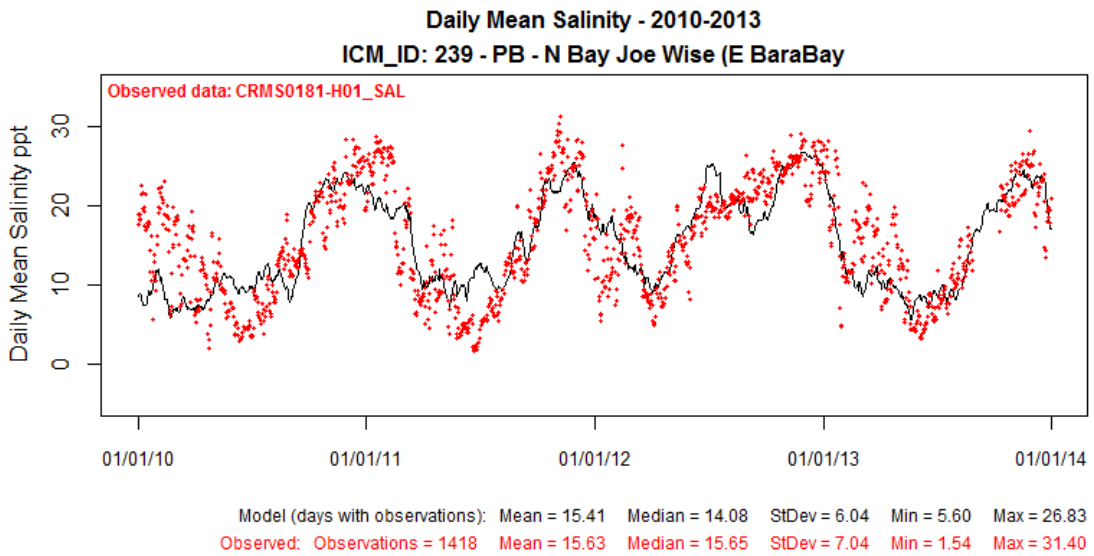

Figure 115: Modeled Salinity (ppt) at ICM Compartment 239 (solid black line) Compared to Observed Data at CRMS0181-H01 for Calibration Period, 2010-2013.

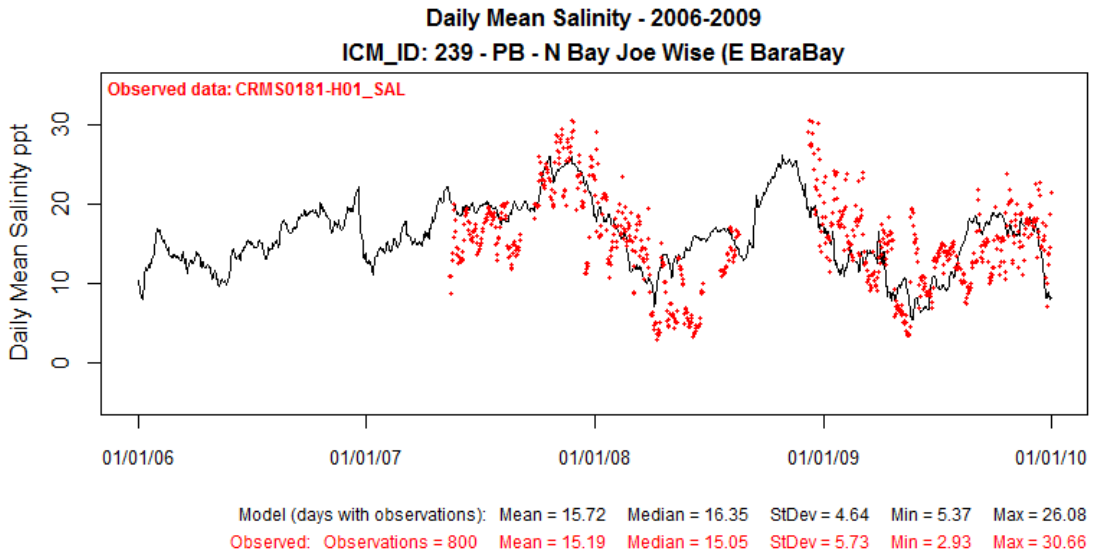

Figure 116: Modeled Salinity (ppt) at ICM Compartment 239 (solid black line) Compared to Observed Data at CRMS0181-H01 for Validation Period, 2006-2009.

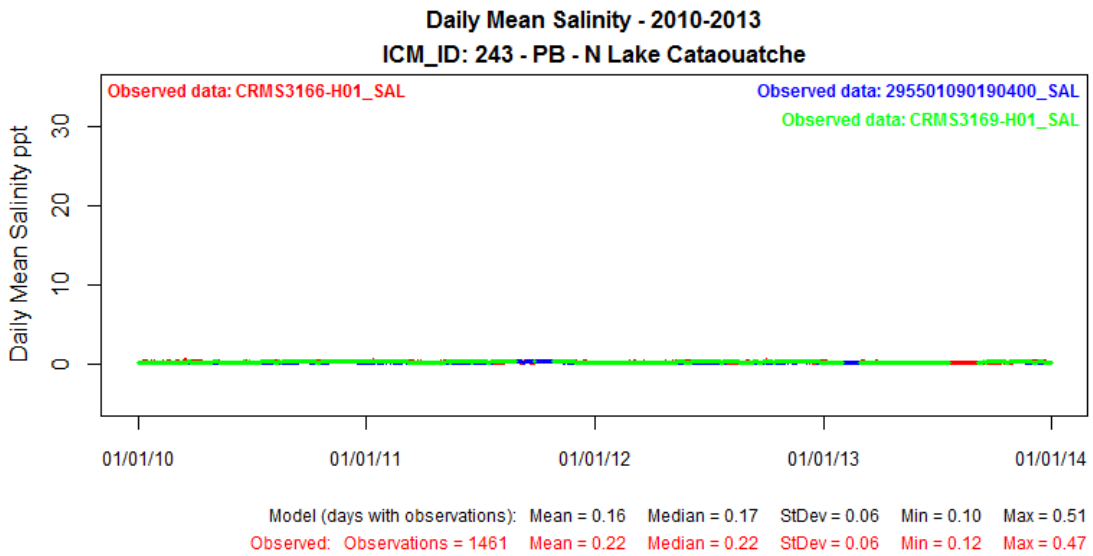

Figure 117: Modeled Salinity (ppt) at ICM Compartment 243 (solid black line) Compared to Observed Data at CRMS3166-H01 for Calibration Period, 2010-2013.

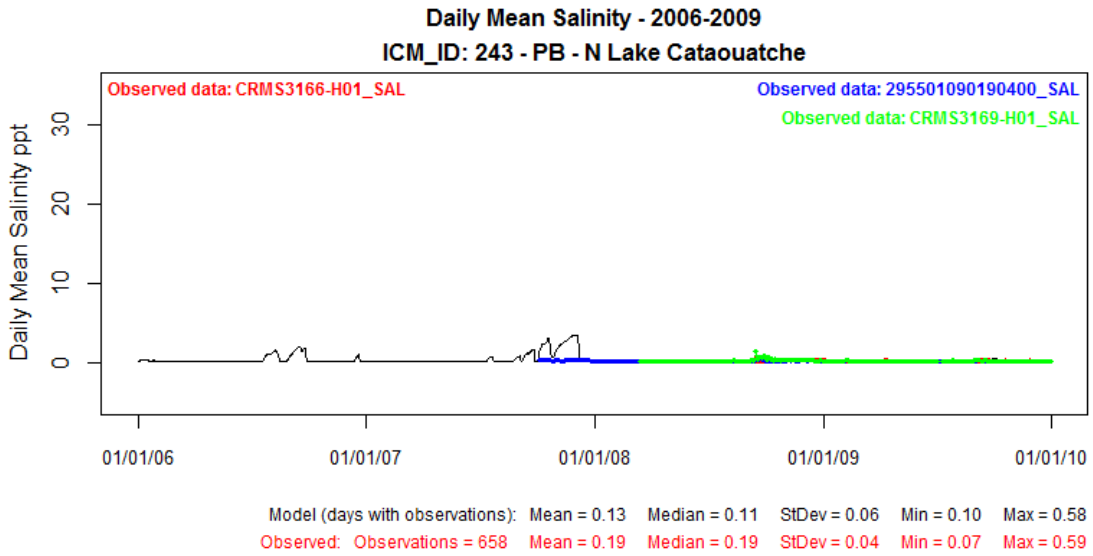

Figure 118: Modeled Salinity (ppt) at ICM Compartment 243 (solid black line) Compared to Observed Data at CRMS3166-H01 for Validation Period, 2006-2009.

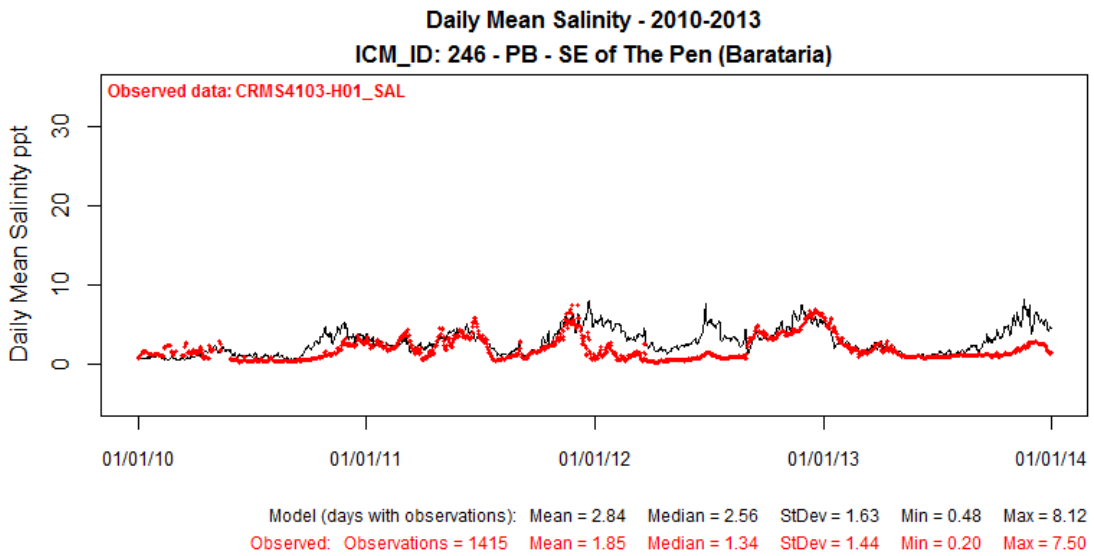

Figure 119: Modeled Salinity (ppt) at ICM Compartment 246 (solid black line) Compared to Observed Data at CRMS4103-H01 for Calibration Period, 2010-2013.

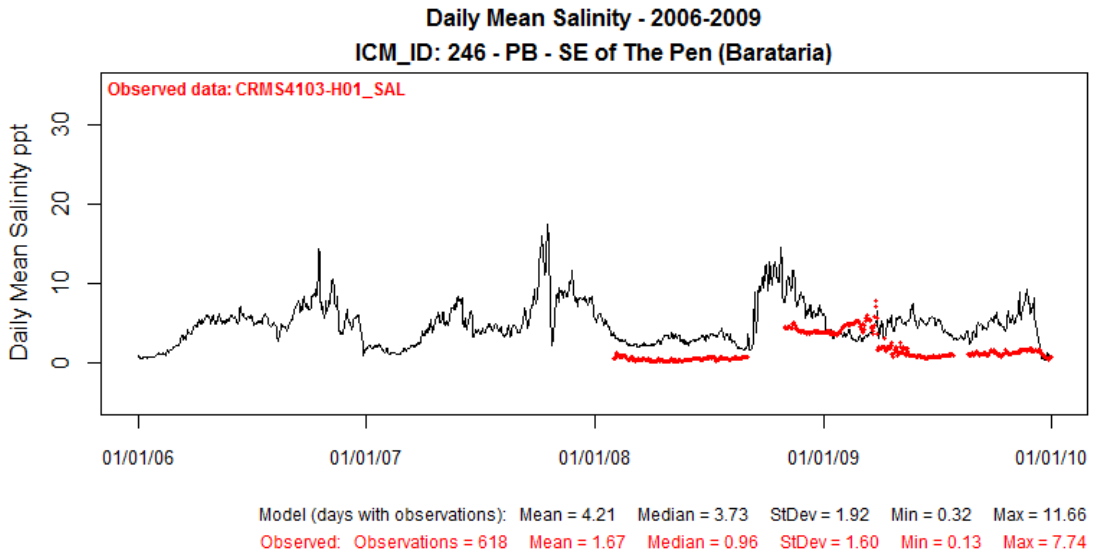

Figure 120: Modeled Salinity (ppt) at ICM Compartment 246 (solid black line) Compared to Observed Data at CRMS4103-H01 for Validation Period, 2006-2009.

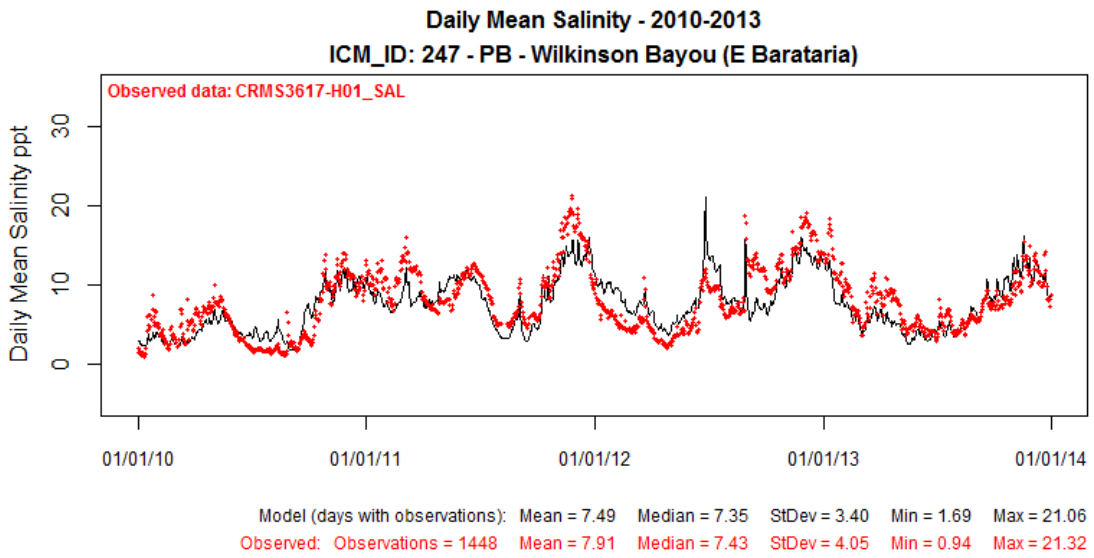

Figure 121: Modeled Salinity (ppt) at ICM Compartment 247 (solid black line) Compared to Observed Data at CRMS3617-H01 for Calibration Period, 2010-2013.

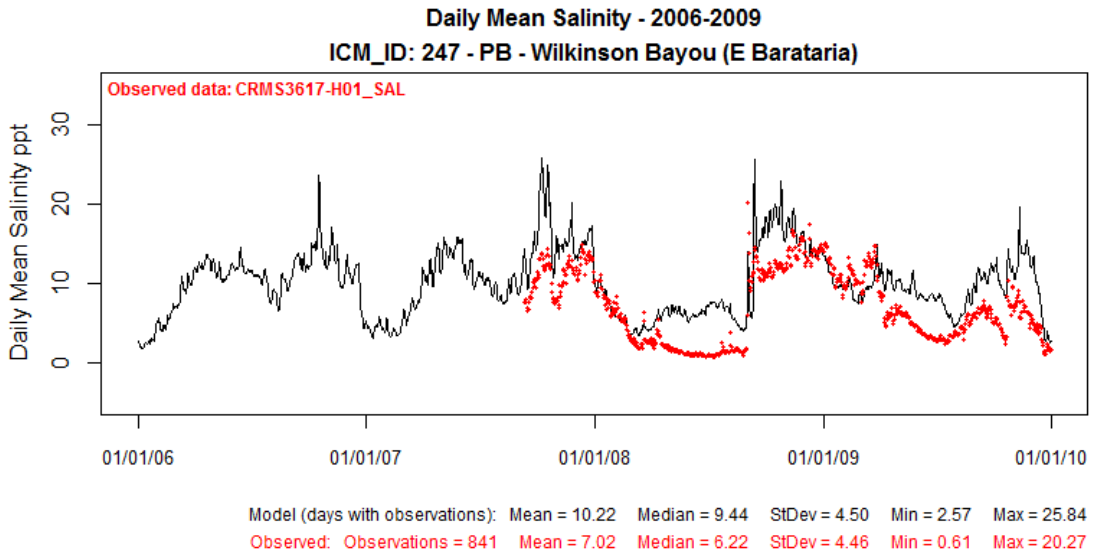

Figure 122: Modeled Salinity (ppt) at ICM Compartment 247 (solid black line) Compared to Observed Data at CRMS3617-H01 for Validation Period, 2006-2009.

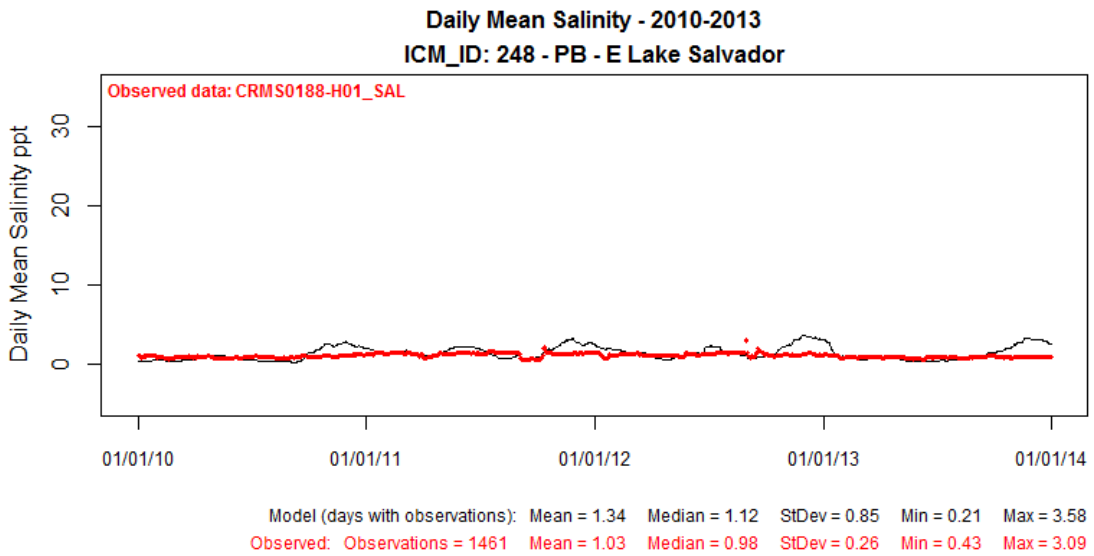

Figure 123: Modeled Salinity (ppt) at ICM Compartment 248 (solid black line) Compared to Observed Data at CRMS0188-H01 for Calibration Period, 2010-2013.

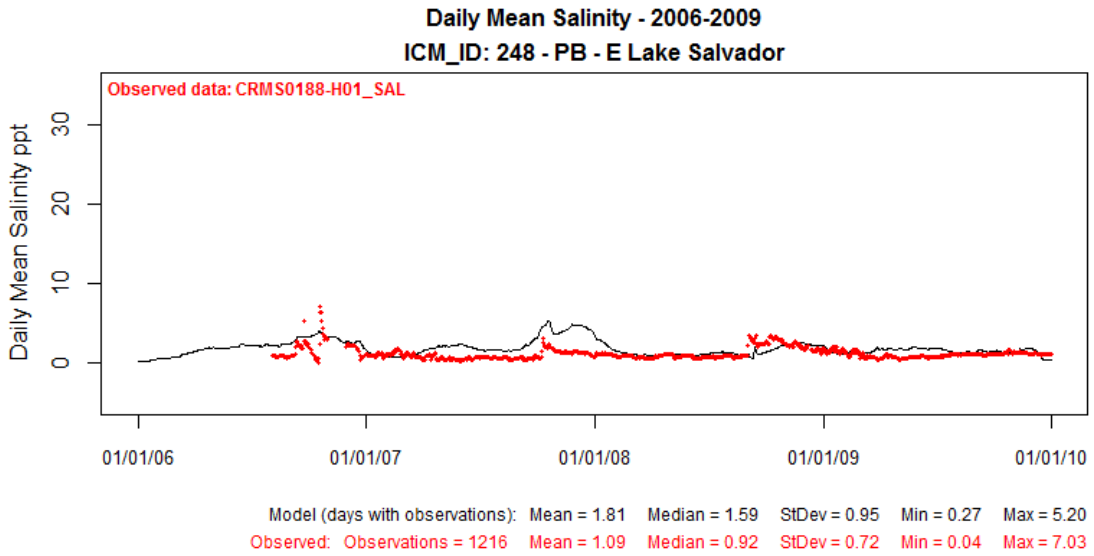

Figure 124: Modeled Salinity (ppt) at ICM Compartment 248 (solid black line) Compared to Observed Data at CRMS0188-H01 for Validation Period, 2006-2009.

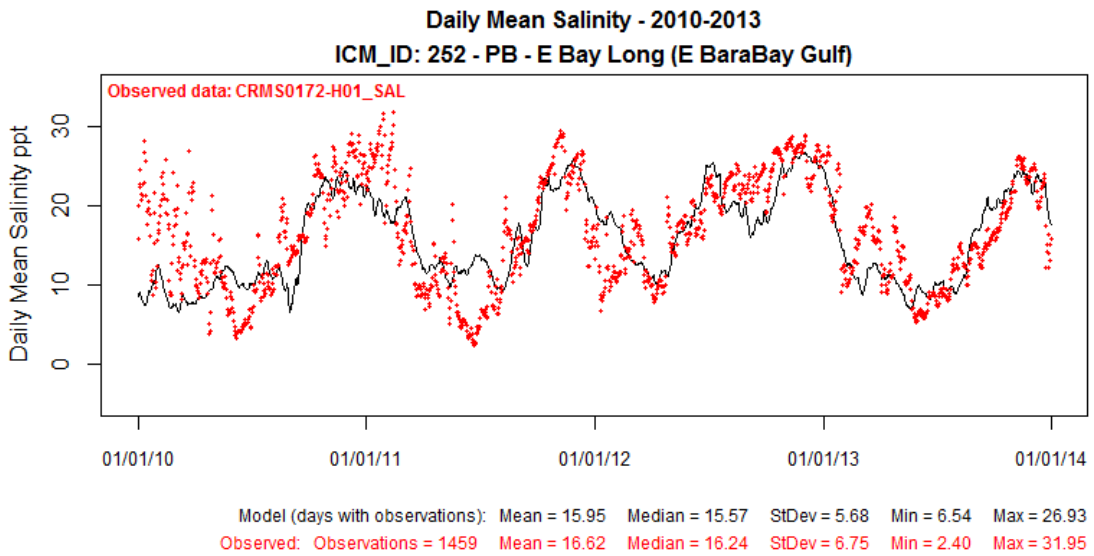

Figure 125: Modeled Salinity (ppt) at ICM Compartment 252 (solid black line) Compared to Observed Data at CRMS0172-H01 for Calibration Period, 2010-2013.

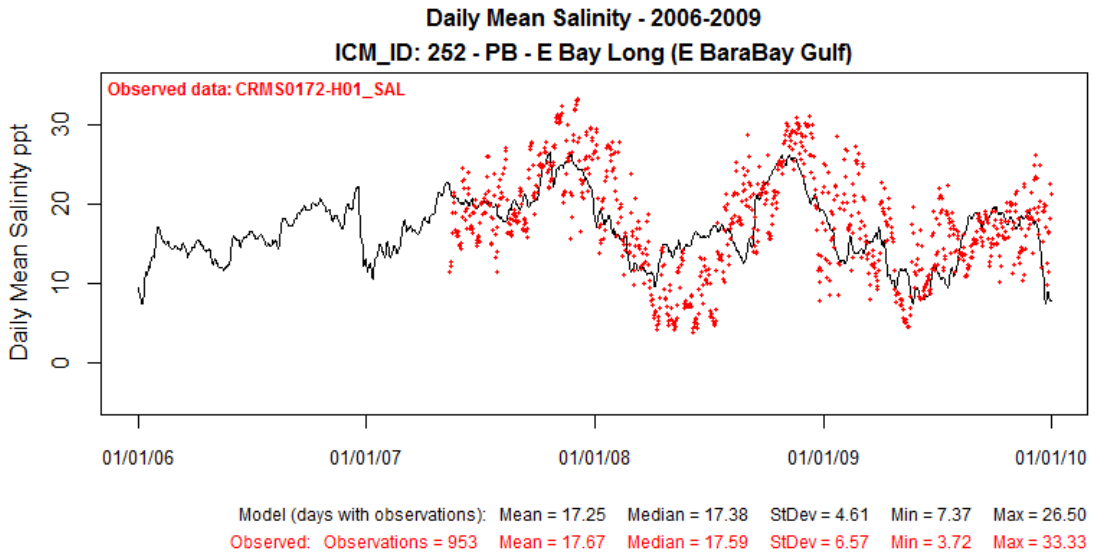

Figure 126: Modeled Salinity (ppt) at ICM Compartment 252 (solid black line) Compared to Observed Data at CRMS0172-H01 for Validation Period, 2006-2009.

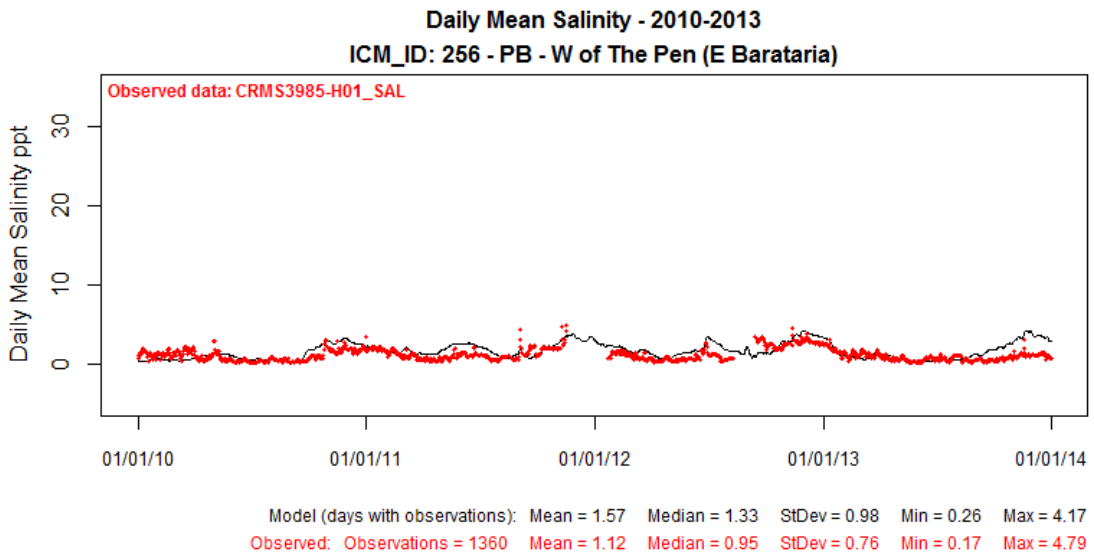

Figure 127: Modeled Salinity (ppt) at ICM Compartment 256 (solid black line) Compared to Observed Data at CRMS3985-H01 for Calibration Period, 2010-2013.

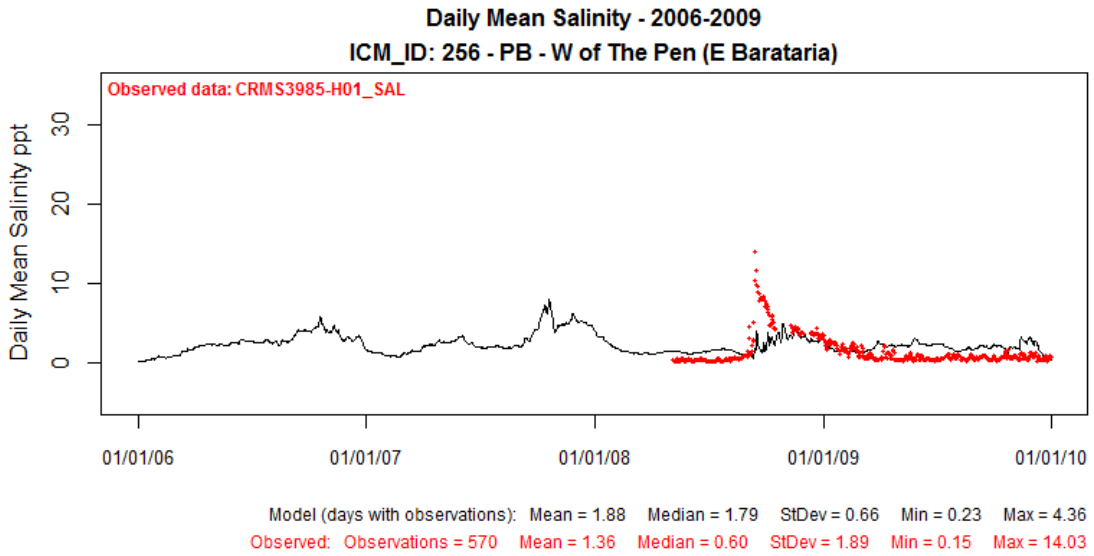

Figure 128: Modeled Salinity (ppt) at ICM Compartment 256 (solid black line) Compared to Observed Data at CRMS3985-H01 for Validation Period, 2006-2009.

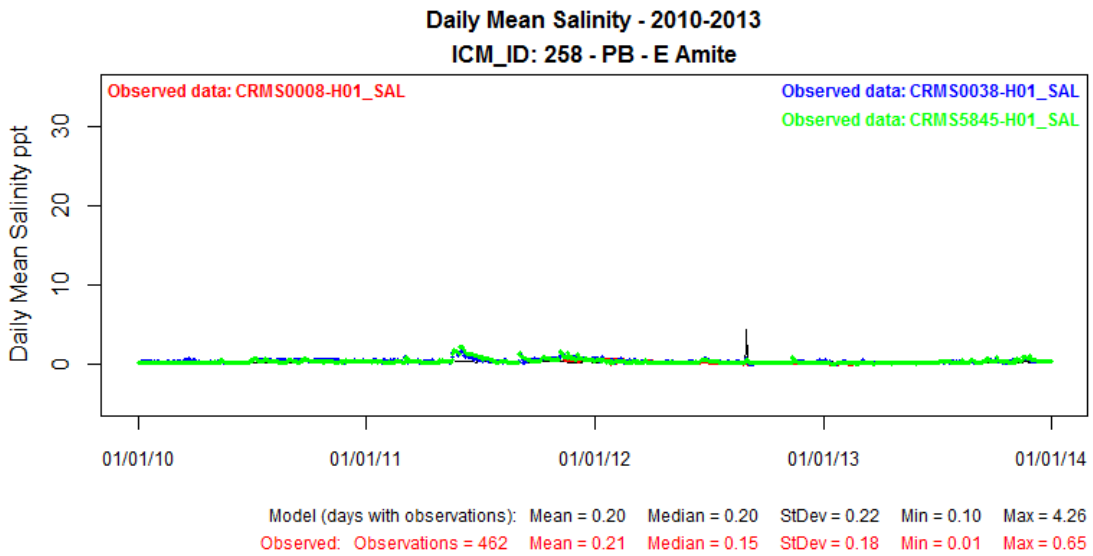

Figure 129: Modeled Salinity (ppt) at ICM Compartment 258 (solid black line) Compared to Observed Data at CRMS0008-H01 for Calibration Period, 2010-2013.

Figure 130: No Validation Figure for ICM Compartment 258.

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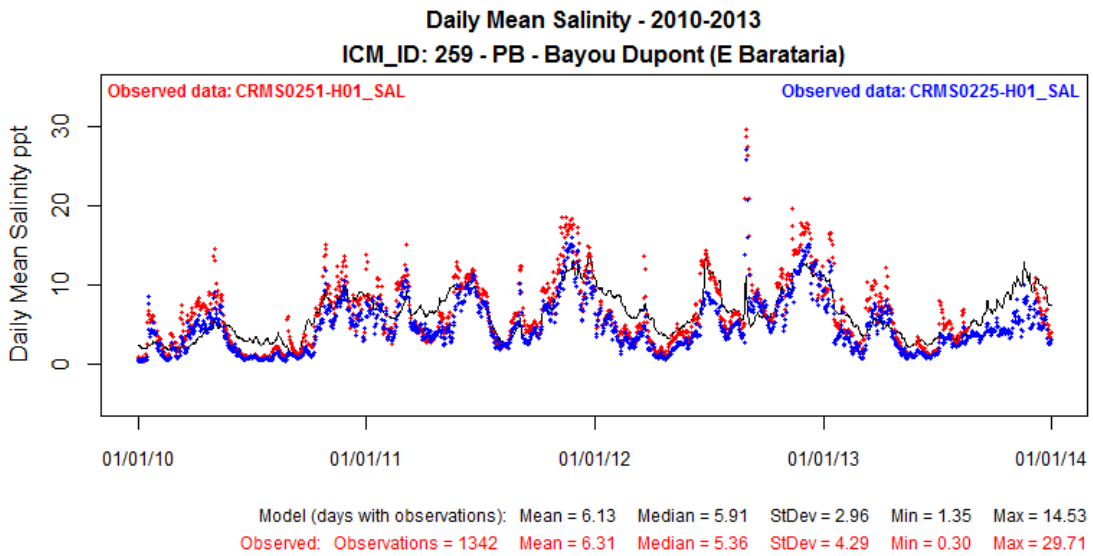

Figure 131: Modeled Salinity (ppt) at ICM Compartment 259 (solid black line) Compared to Observed Data at CRMS0251-H01 for Calibration Period, 2010-2013.

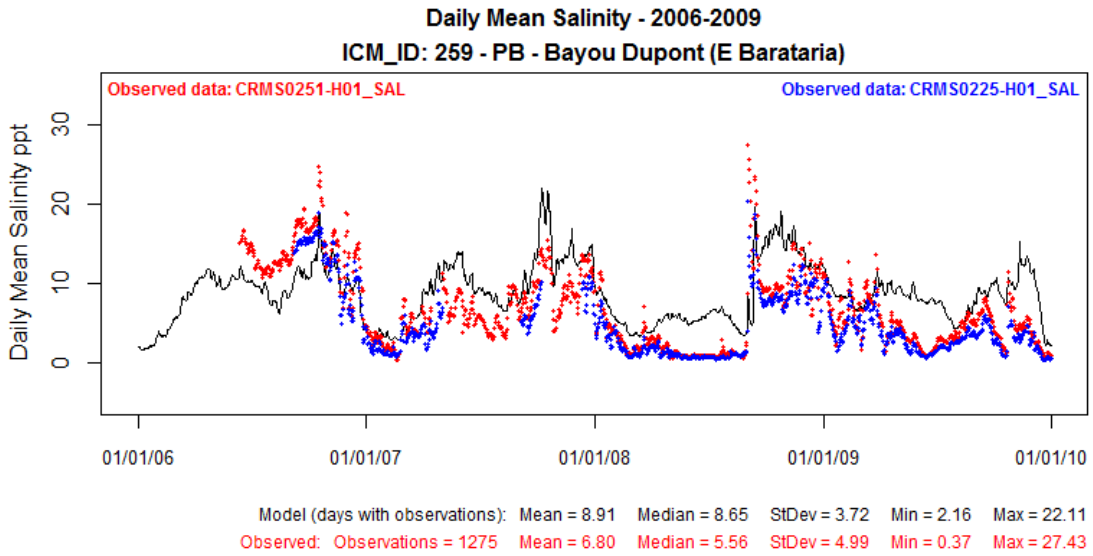

Figure 132: Modeled Salinity (ppt) at ICM Compartment 259 (solid black line) Compared to Observed Data at CRMS0251-H01 for Validation Period, 2006-2009.

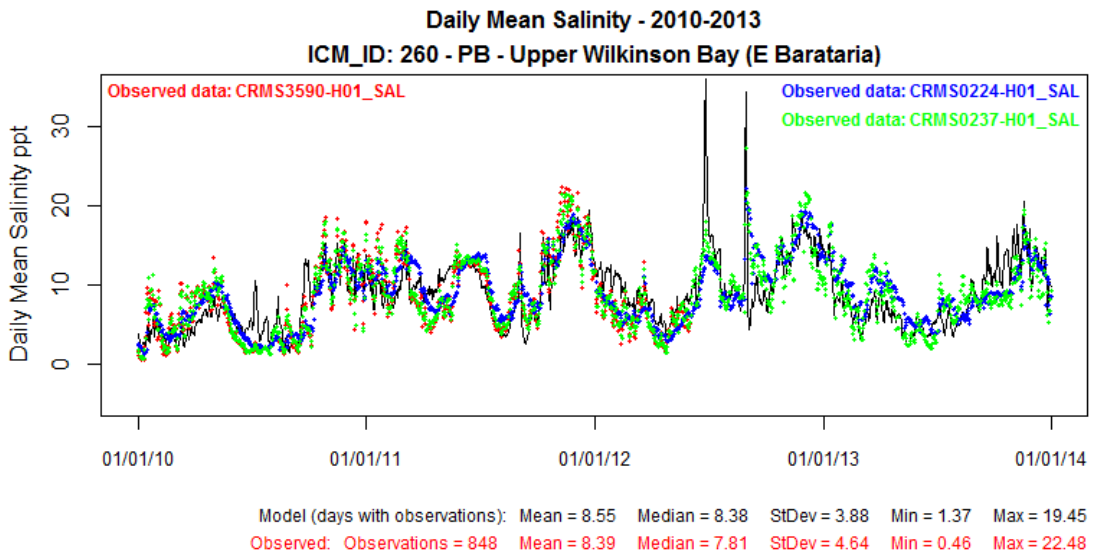

Figure 133: Modeled Salinity (ppt) at ICM Compartment 260 (solid black line) Compared to Observed Data at CRMS3590-H01 for Calibration Period, 2010-2013.

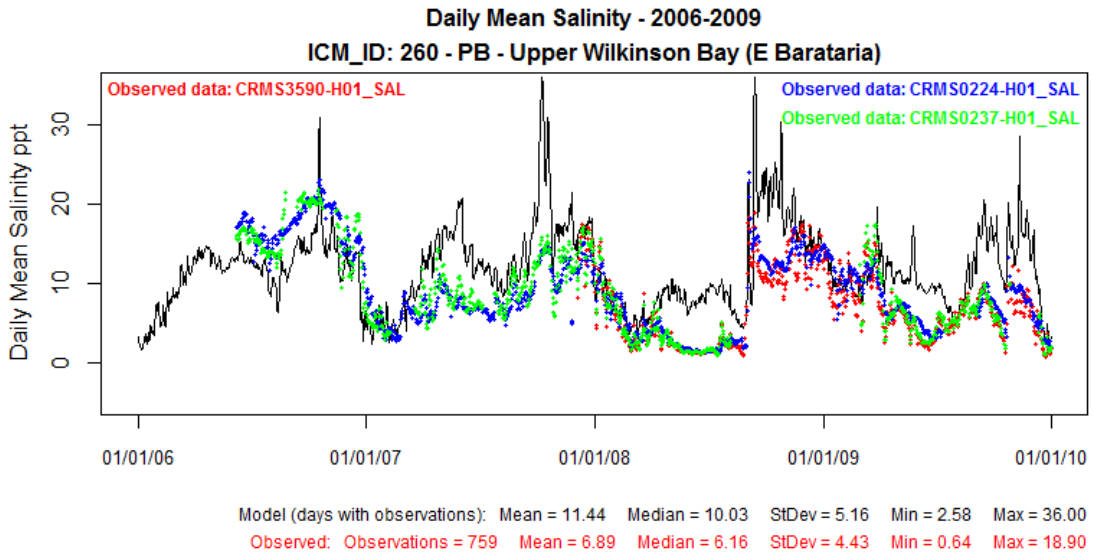

Figure 134: Modeled Salinity (ppt) at ICM Compartment 260 (solid black line) Compared to Observed Data at CRMS3590-H01 for Validation Period, 2006-2009.

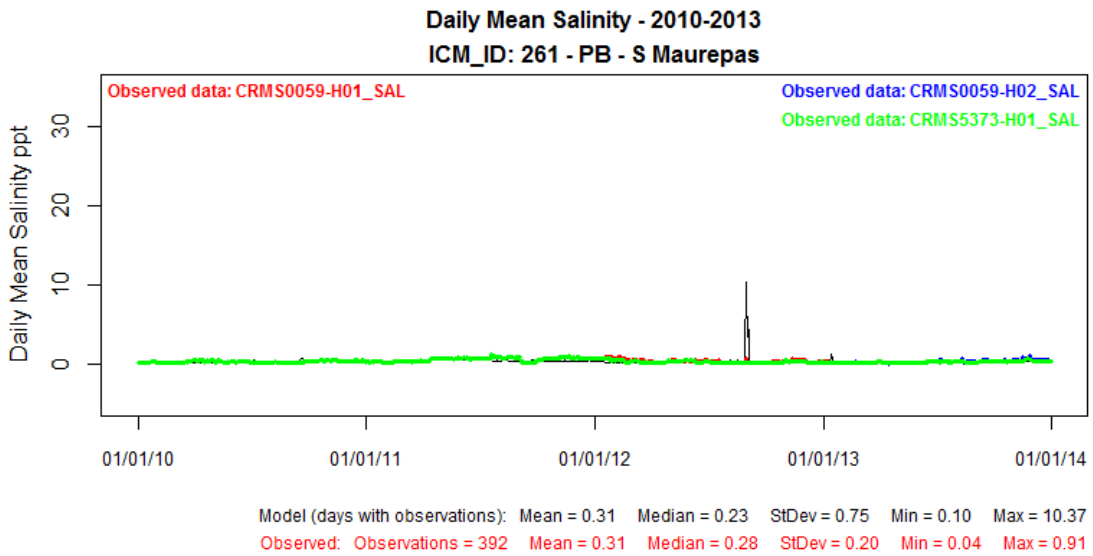

Figure 135: Modeled Salinity (ppt) at ICM Compartment 261 (solid black line) Compared to Observed Data at CRMS0059-H01 for Calibration Period, 2010-2013.

Figure 136: No Validation Figure for ICM Compartment 261.

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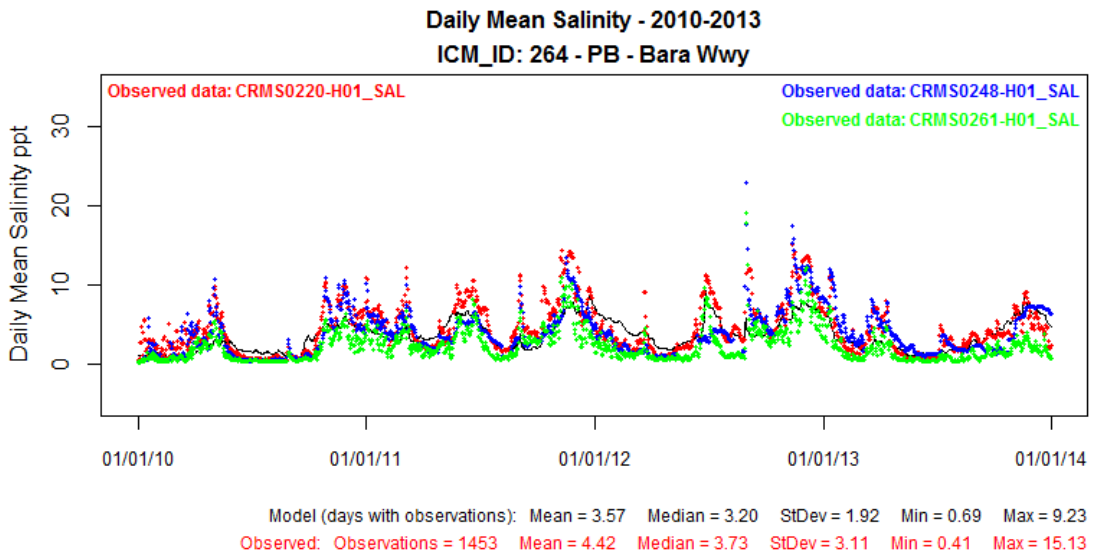

Figure 137: Modeled Salinity (ppt) at ICM Compartment 264 (solid black line) Compared to Observed Data at CRMS0220-H01 for Calibration Period, 2010-2013.

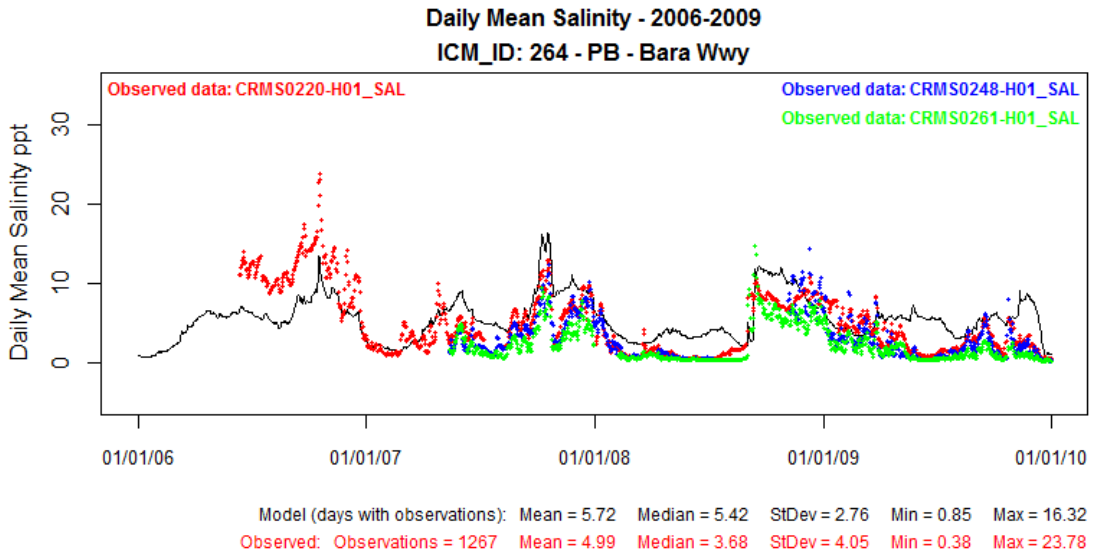

Figure 138: Modeled Salinity (ppt) at ICM Compartment 264 (solid black line) Compared to Observed Data at CRMS0220-H01 for Validation Period, 2006-2009.

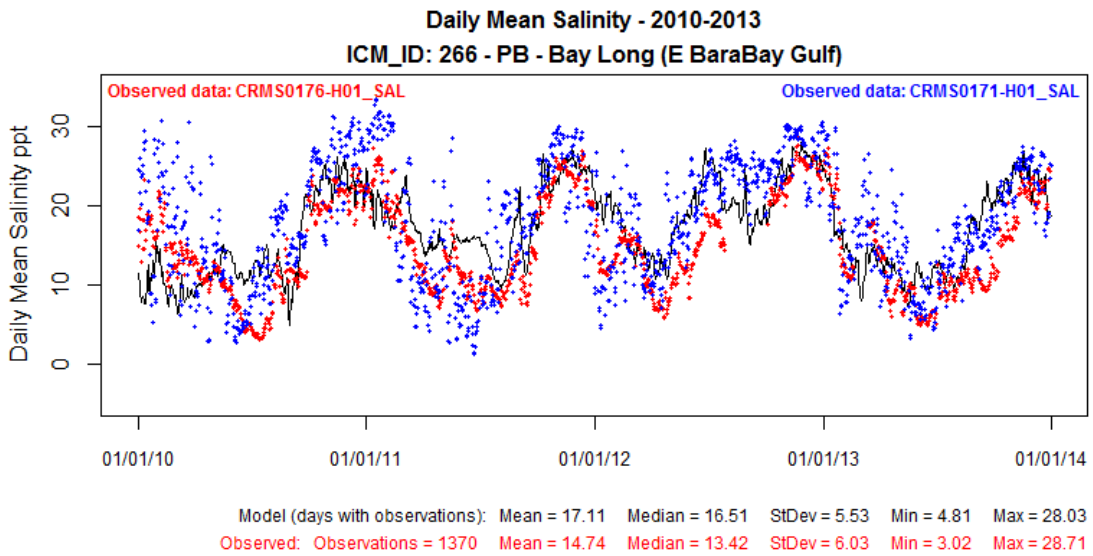

Figure 139: Modeled Salinity (ppt) at ICM Compartment 266 (solid black line) Compared to Observed Data at CRMS0176-H01 for Calibration Period, 2010-2013.

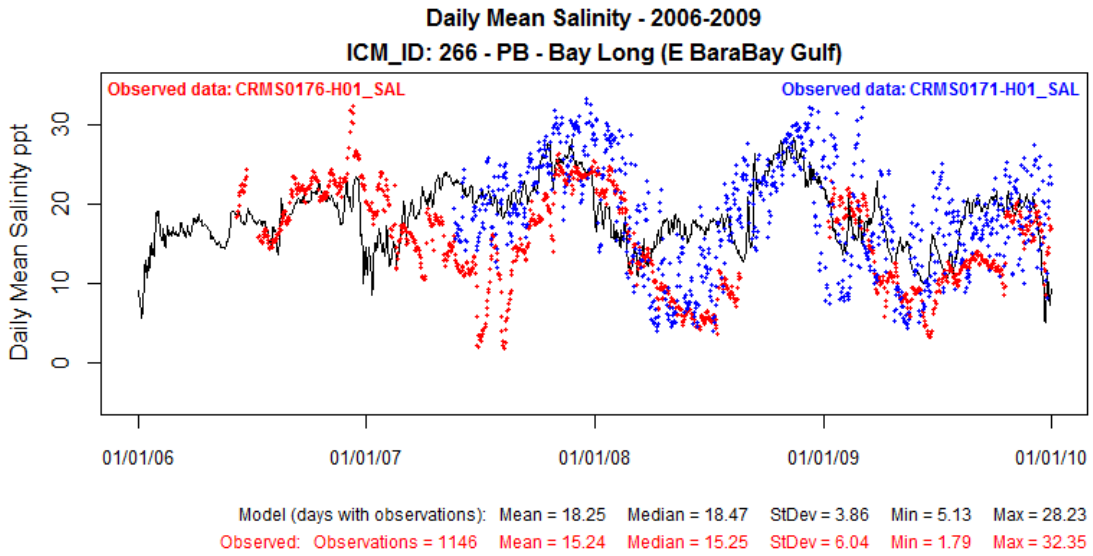

Figure 140: Modeled Salinity (ppt) at ICM Compartment 266 (solid black line) Compared to Observed Data at CRMS0176-H01 for Validation Period, 2006-2009.

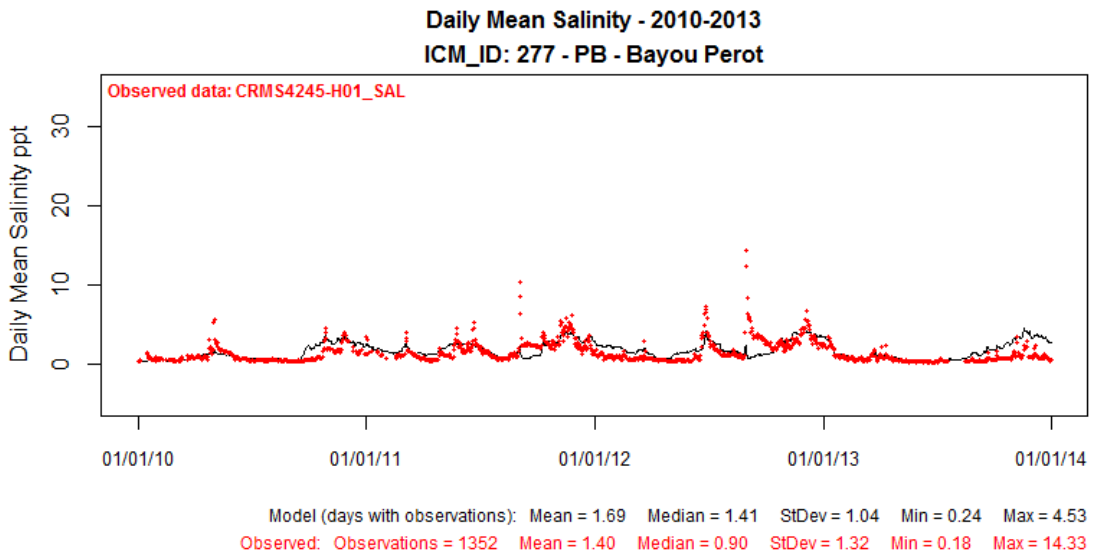

Figure 141: Modeled Salinity (ppt) at ICM Compartment 277 (solid black line) Compared to Observed Data at CRMS4245-H01 for Calibration Period, 2010-2013.

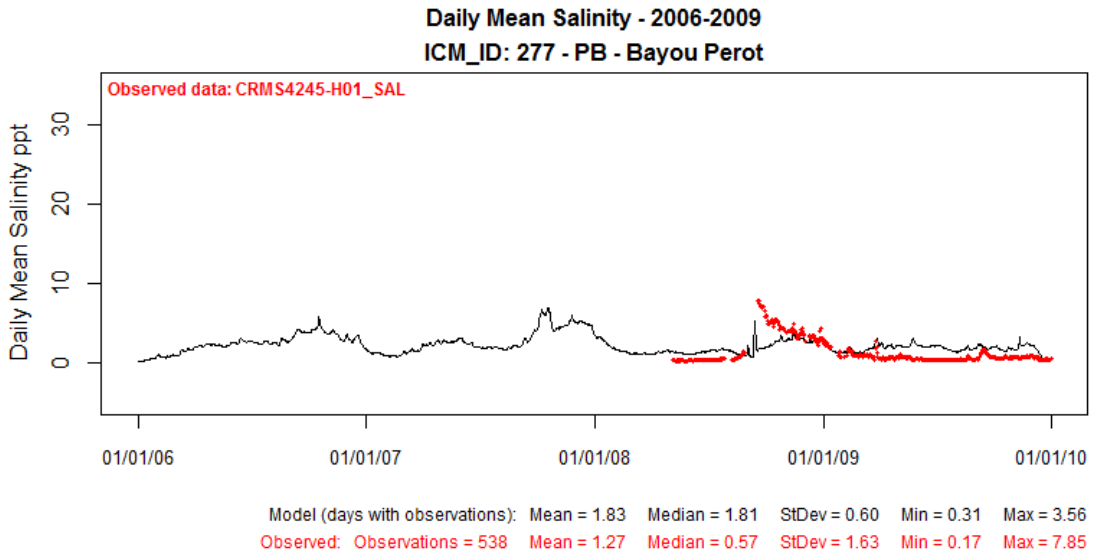

Figure 142: Modeled Salinity (ppt) at ICM Compartment 277 (solid black line) Compared to Observed Data at CRMS4245-H01 for Validation Period, 2006-2009.

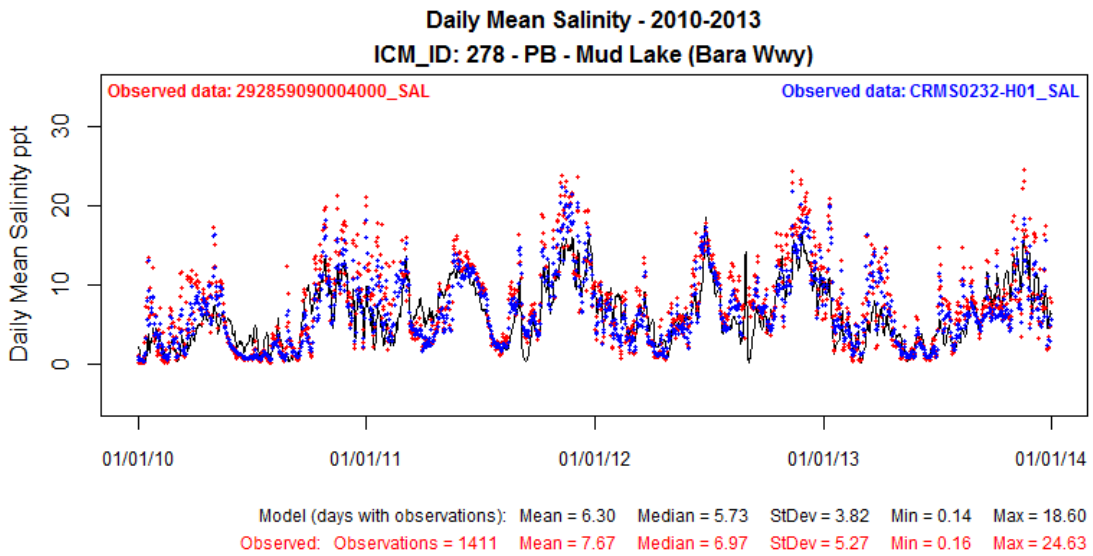

Figure 143: Modeled Salinity (ppt) at ICM Compartment 278 (solid black line) Compared to Observed Data at USGS292859090004000 for Calibration Period, 2010-2013.

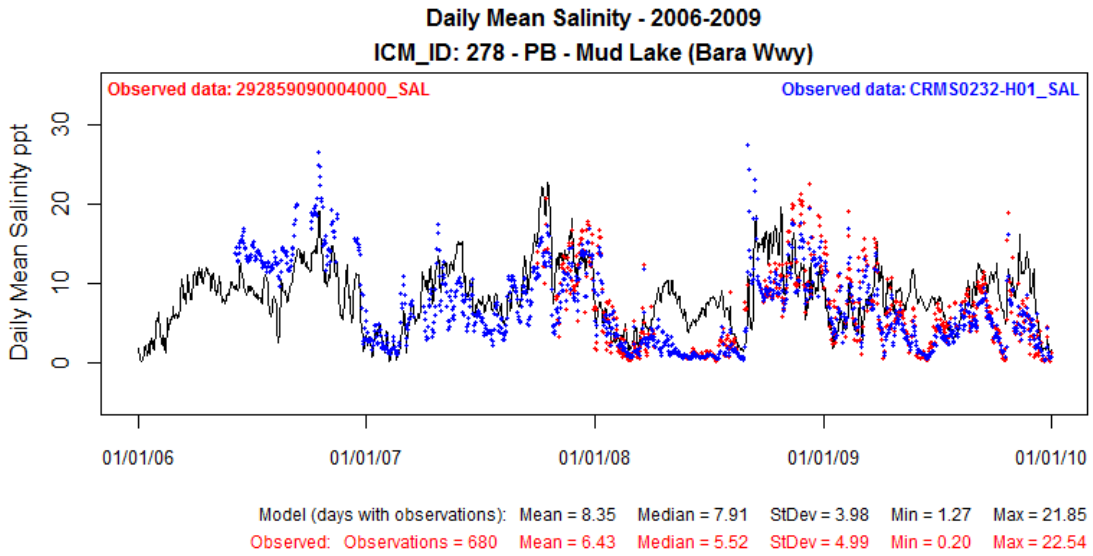

Figure 144: Modeled Salinity (ppt) at ICM Compartment 278 (solid black line) Compared to Observed Data at USGS292859090004000 for Validation Period, 2006-2009.

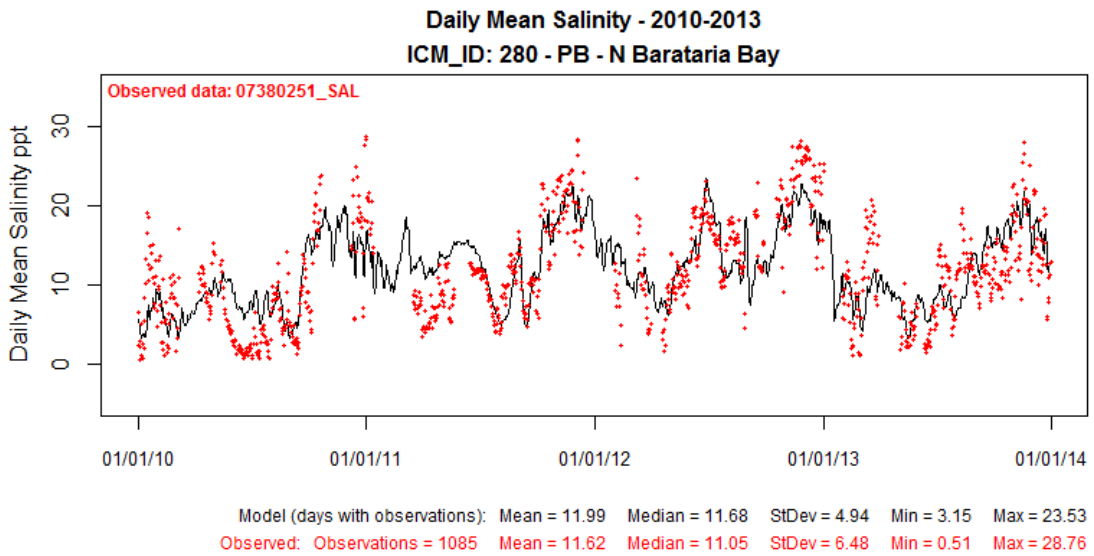

Figure 145: Modeled Salinity (ppt) at ICM Compartment 280 (solid black line) Compared to Observed Data at USGS07380251 for Calibration Period, 2010-2013.

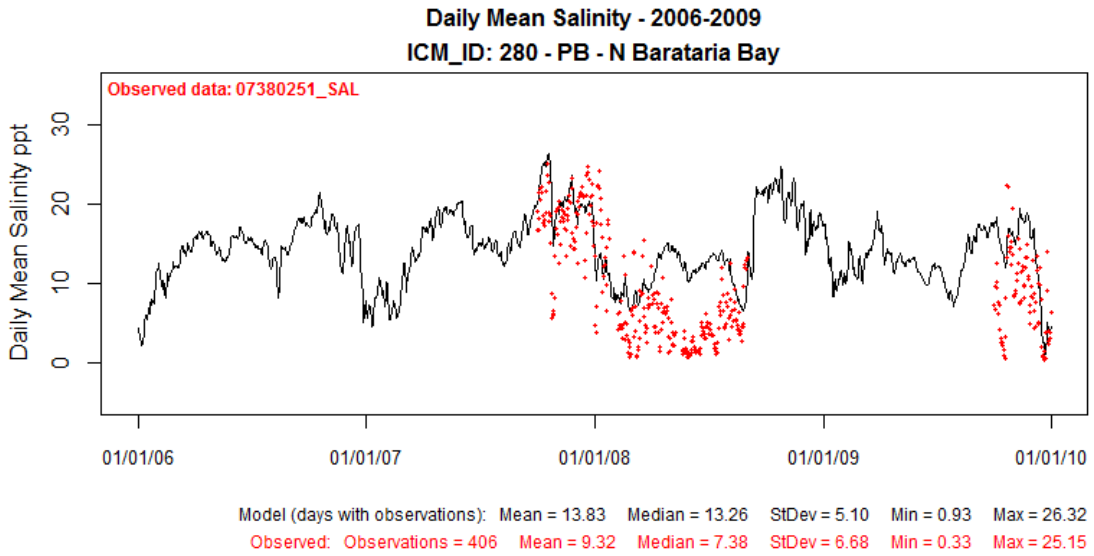

Figure 146: Modeled Salinity (ppt) at ICM Compartment 280 (solid black line) Compared to Observed Data at USGS07380251 for Validation Period, 2006-2009.

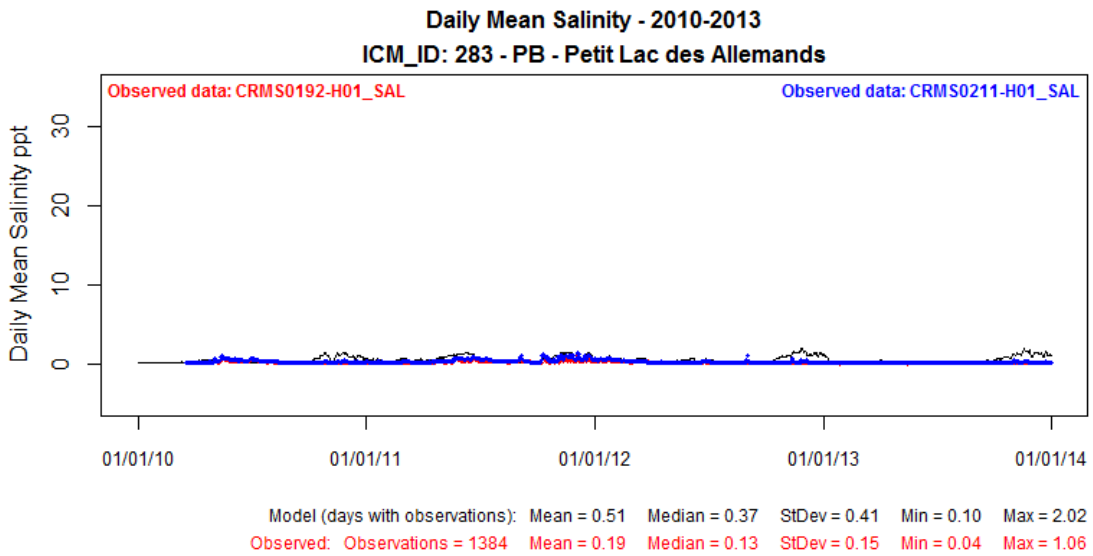

Figure 147: Modeled Salinity (ppt) at ICM Compartment 283 (solid black line) Compared to Observed Data at CRMS0192-H01 for Calibration Period, 2010-2013.

Figure 148: No Validation Figure for ICM Compartment 283.

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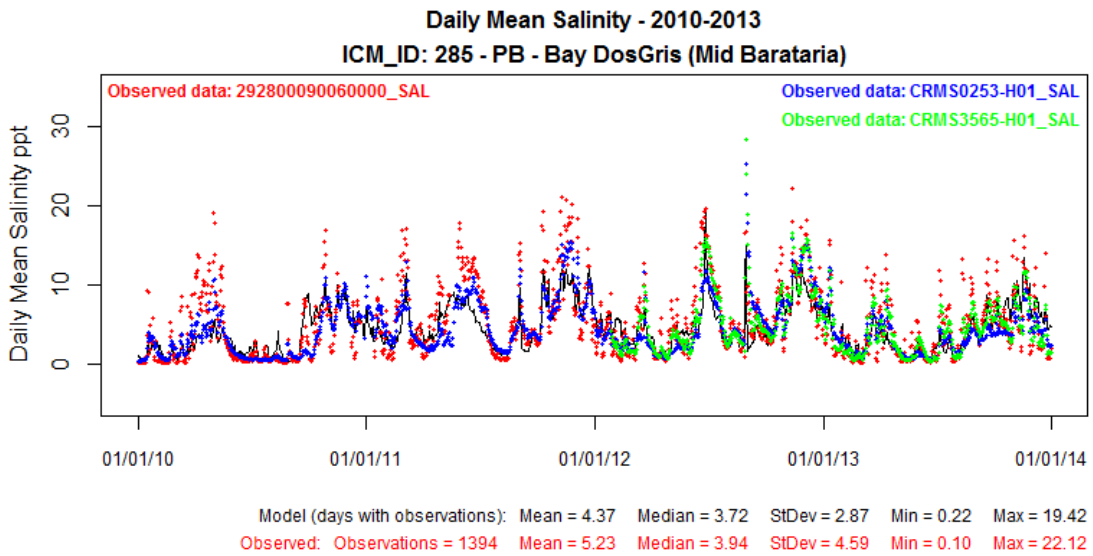

Figure 149: Modeled Salinity (ppt) at ICM Compartment 285 (solid black line) Compared to Observed Data at USGS292800090060000 for Calibration Period, 2010-2013.

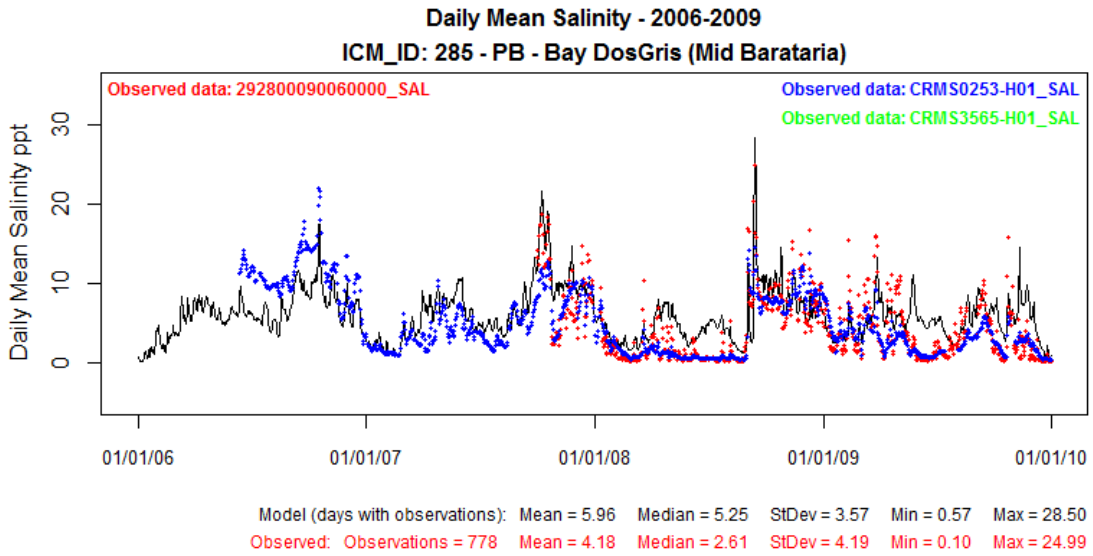

Figure 150: Modeled Salinity (ppt) at ICM Compartment 285 (solid black line) Compared to Observed Data at USGS292800090060000 for Validation Period, 2006-2009.

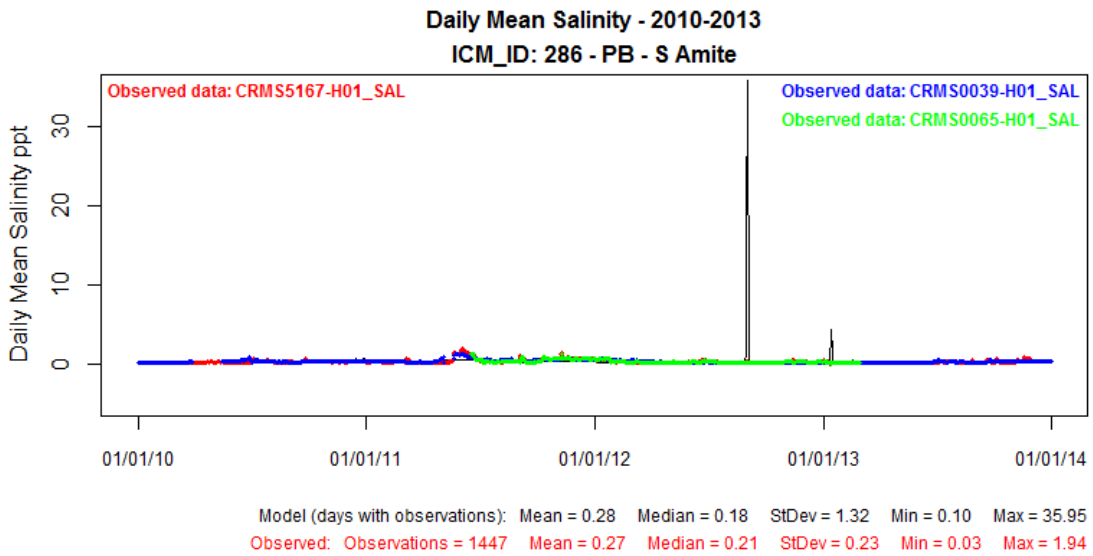

Figure 151: Modeled Salinity (ppt) at ICM Compartment 286 (solid black line) Compared to Observed Data at CRMS5167-H01 for Calibration Period, 2010-2013.

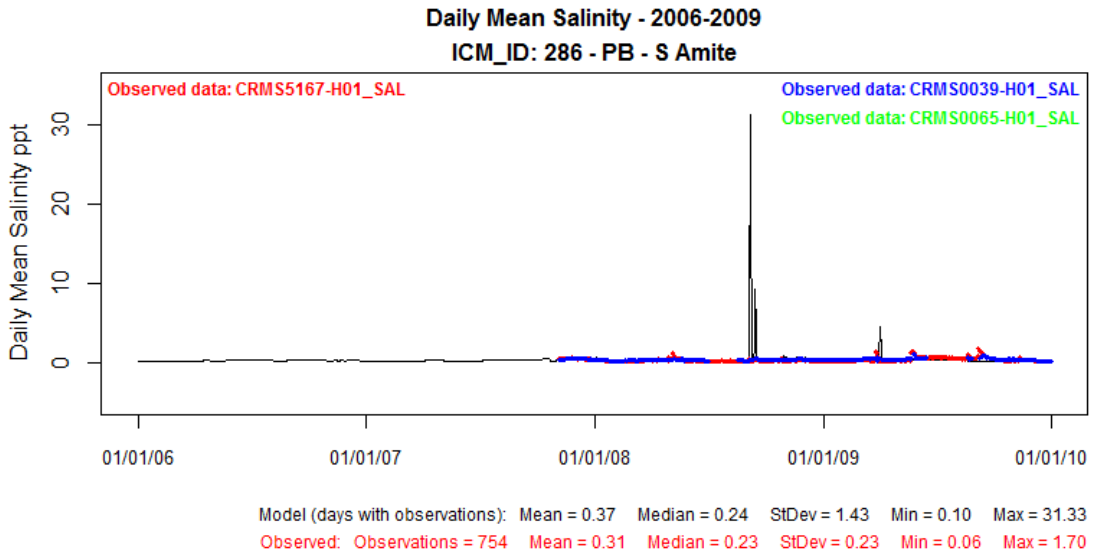

Figure 152: Modeled Salinity (ppt) at ICM Compartment 286 (solid black line) Compared to Observed Data at CRMS5167-H01 for Validation Period, 2006-2009.

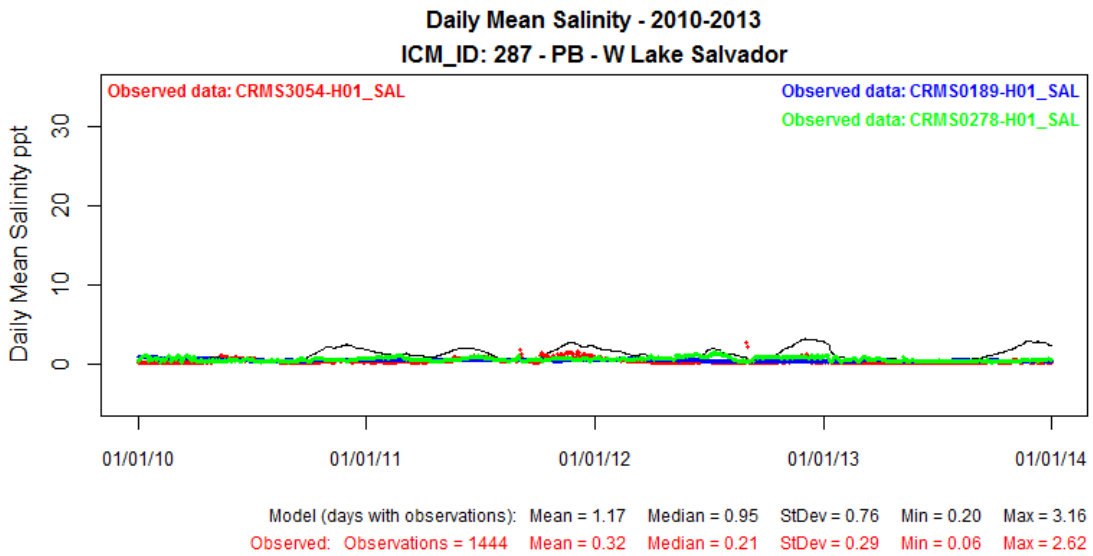

Figure 153: Modeled Salinity (ppt) at ICM Compartment 287 (solid black line) Compared to Observed Data at CRMS3054-H01 for Calibration Period, 2010-2013.

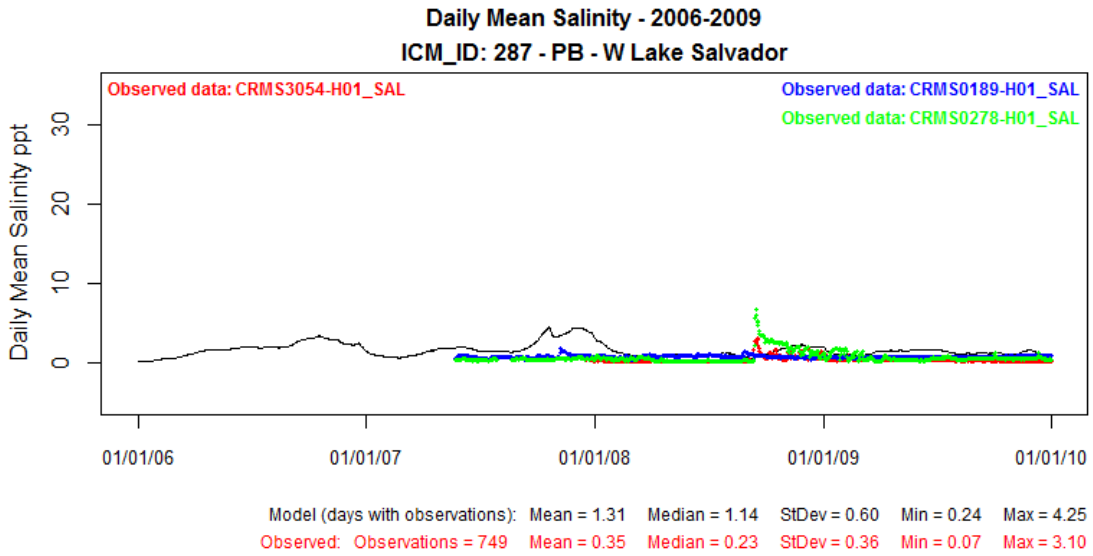

Figure 154: Modeled Salinity (ppt) at ICM Compartment 287 (solid black line) Compared to Observed Data at CRMS3054-H01 for Validation Period, 2006-2009.

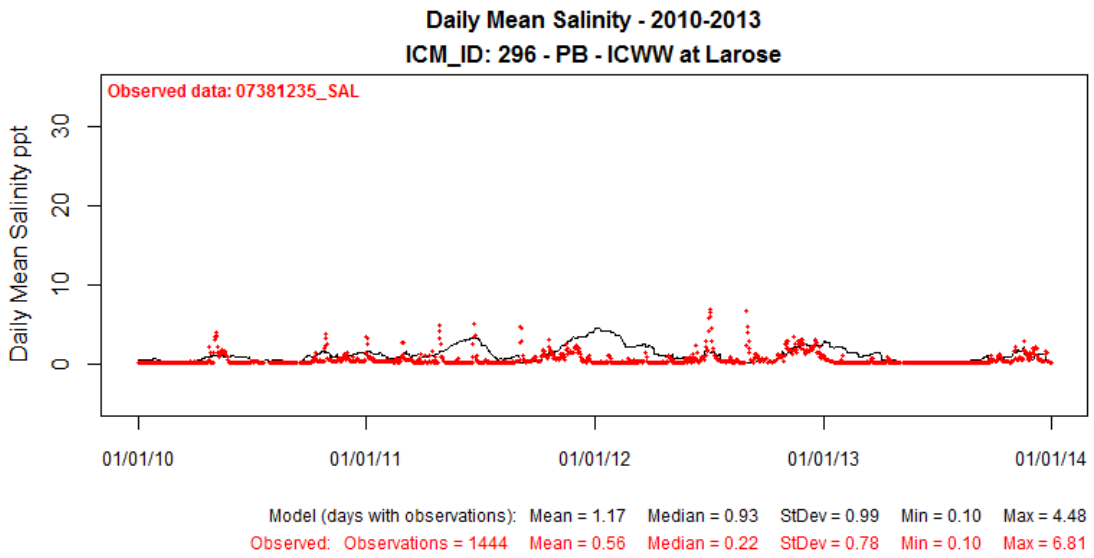

Figure 155: Modeled Salinity (ppt) at ICM Compartment 296 (solid black line) Compared to Observed Data at USGS07381235 for Calibration Period, 2010-2013.

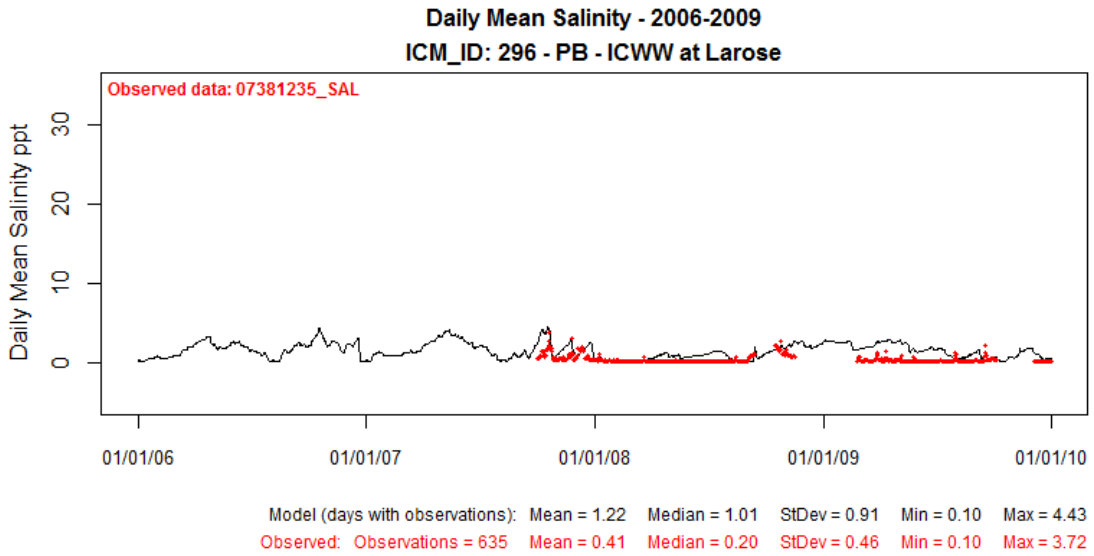

Figure 156: Modeled Salinity (ppt) at ICM Compartment 296 (solid black line) Compared to Observed Data at USGS07381235 for Validation Period, 2006-2009.

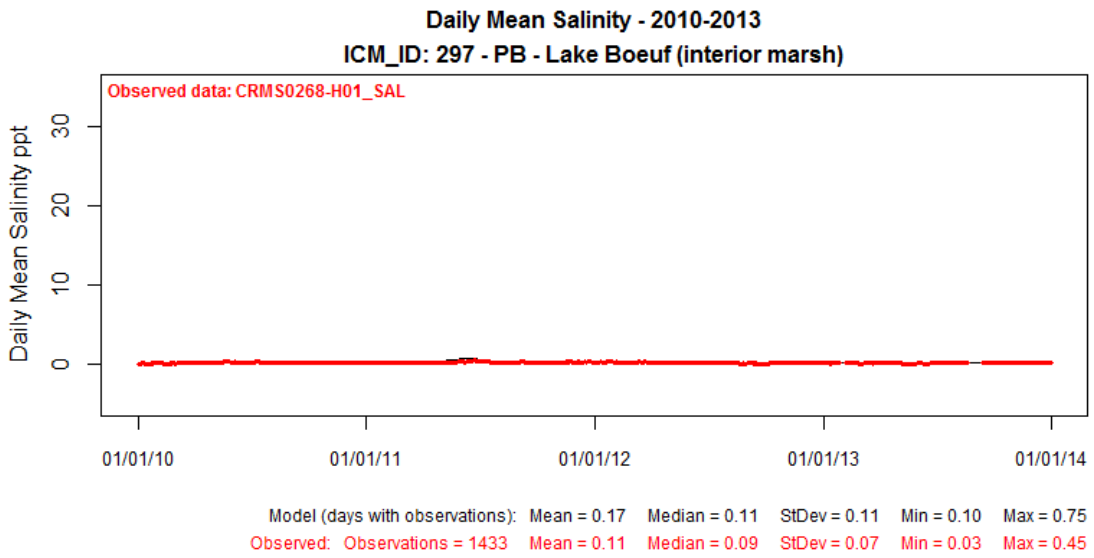

Figure 157: Modeled Salinity (ppt) at ICM Compartment 297 (solid black line) Compared to Observed Data at CRMS0268-H01 for Calibration Period, 2010-2013.

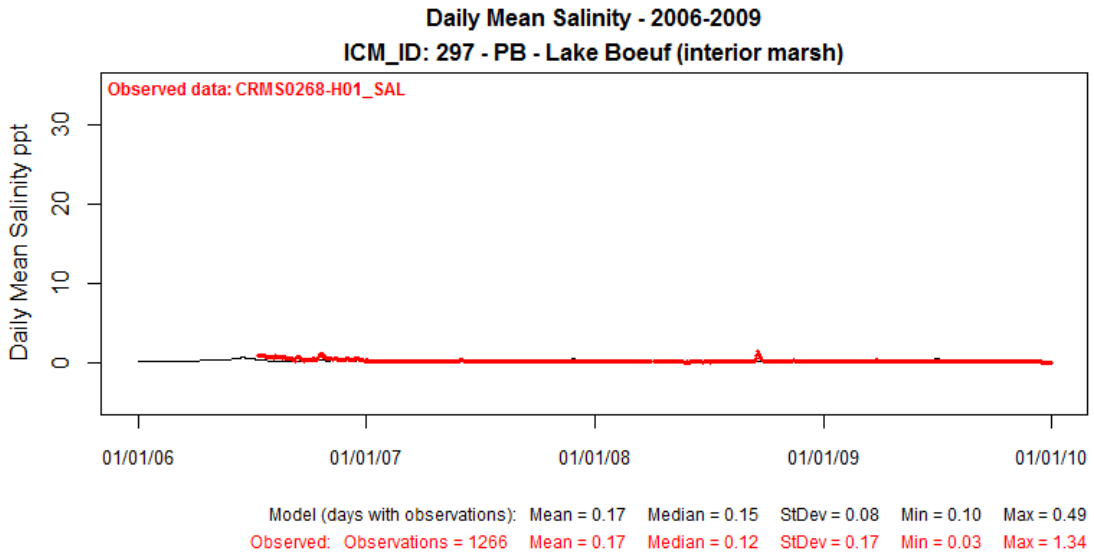

Figure 158: Modeled Salinity (ppt) at ICM Compartment 297 (solid black line) Compared to Observed Data at CRMS0268-H01 for Validation Period, 2006-2009.

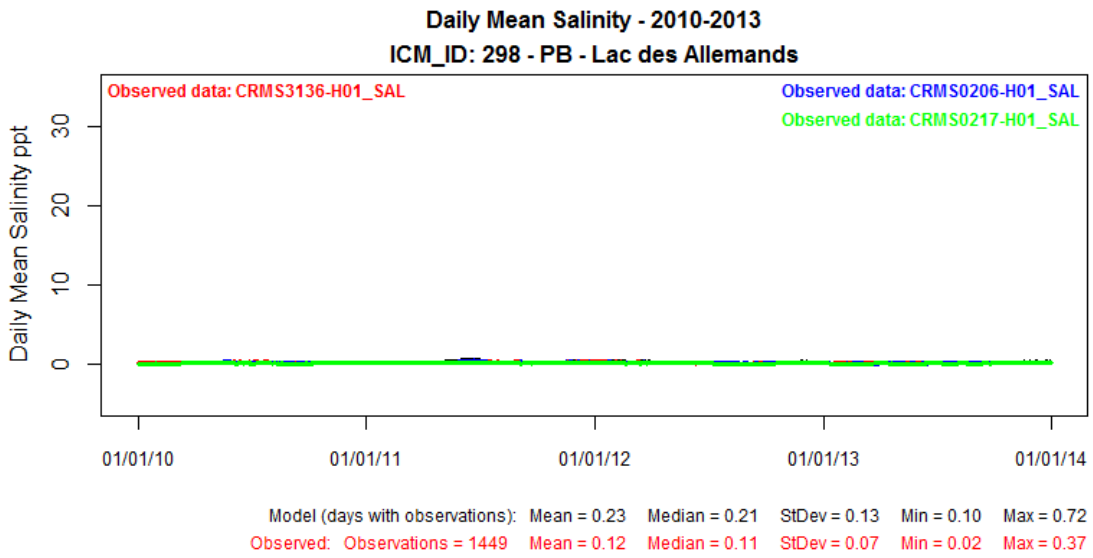

Figure 159: Modeled Salinity (ppt) at ICM Compartment 298 (solid black line) Compared to Observed Data at CRMS3136-H01 for Calibration Period, 2010-2013.

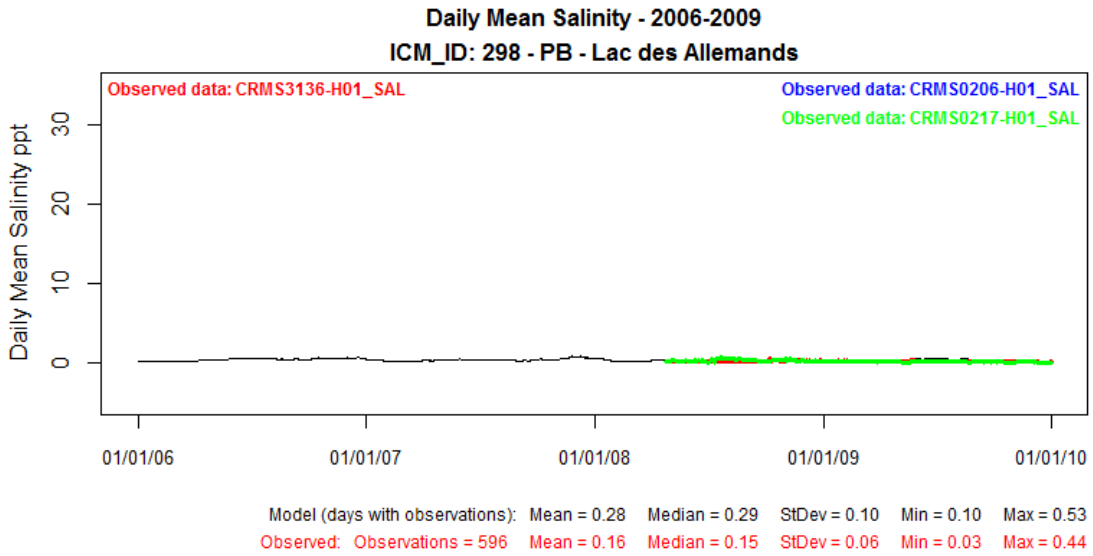

Figure 160: Modeled Salinity (ppt) at ICM Compartment 298 (solid black line) Compared to Observed Data at CRMS3136-H01 for Validation Period, 2006-2009.

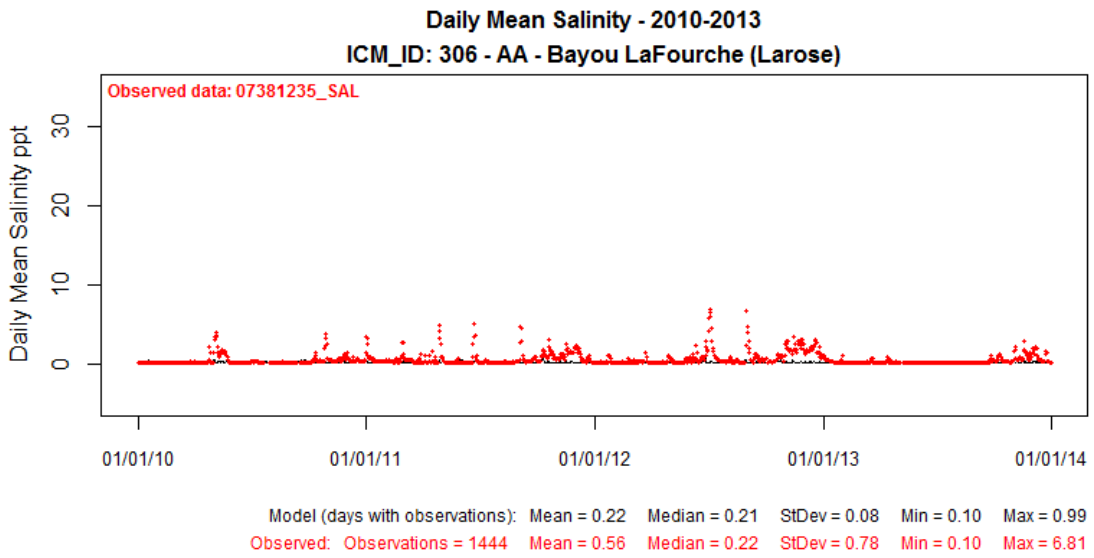

Figure 161: Modeled Salinity (ppt) at ICM Compartment 306 (solid black line) Compared to Observed Data at USGS07381235 for Calibration Period, 2010-2013.

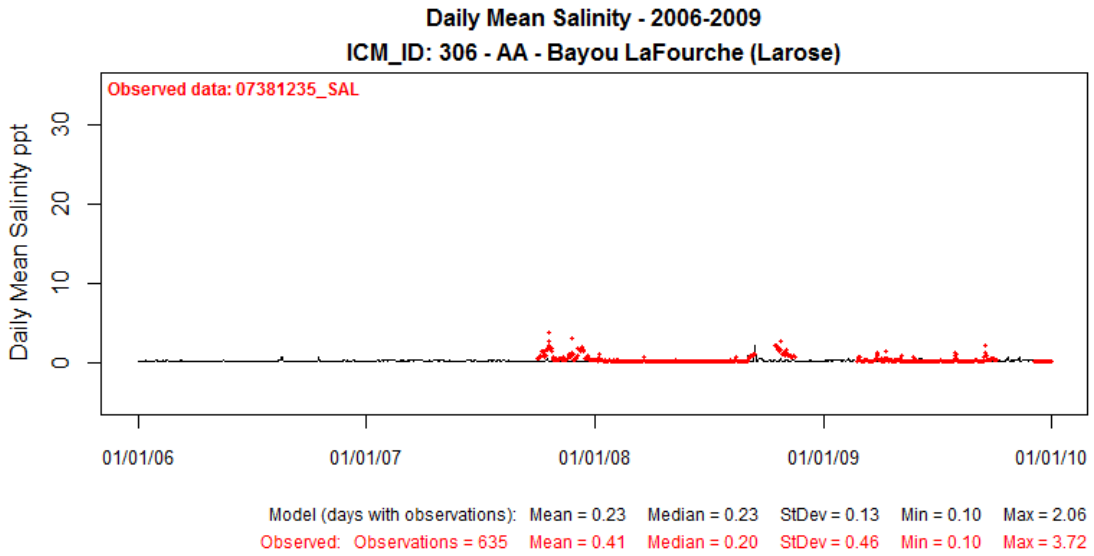

Figure 162: Modeled Salinity (ppt) at ICM Compartment 306 (solid black line) Compared to Observed Data at USGS07381235 for Validation Period, 2006-2009.

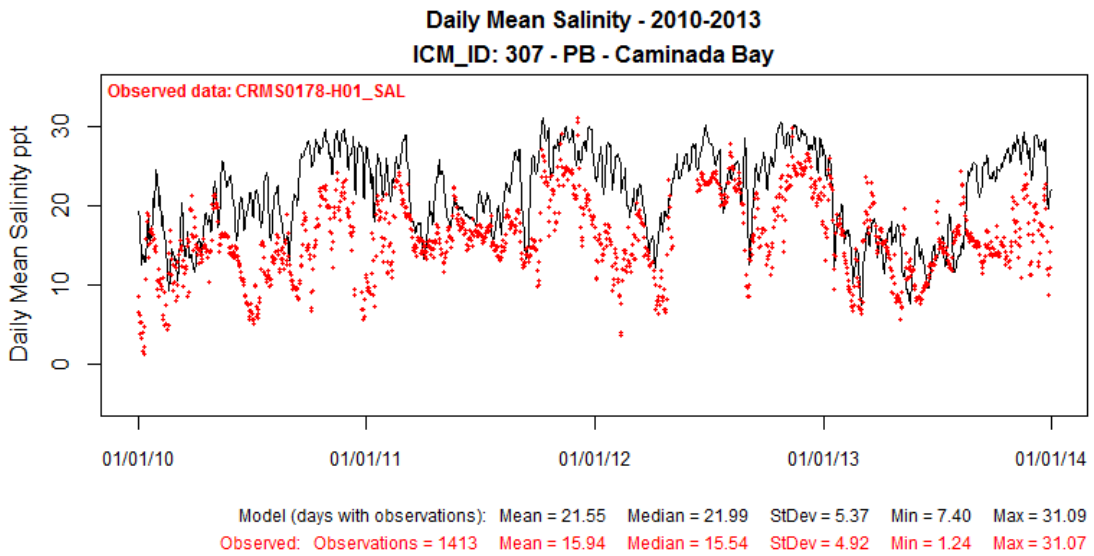

Figure 163: Modeled Salinity (ppt) at ICM Compartment 307 (solid black line) Compared to Observed Data at CRMS0178-H01 for Calibration Period, 2010-2013.

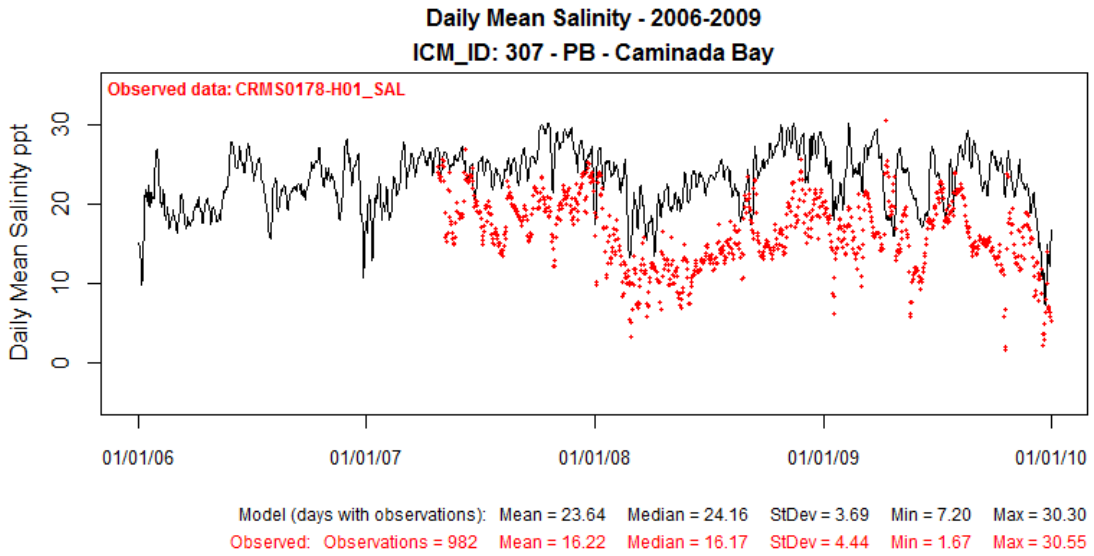

Figure 164: Modeled Salinity (ppt) at ICM Compartment 307 (solid black line) Compared to Observed Data at CRMS0178-H01 for Validation Period, 2006-2009.

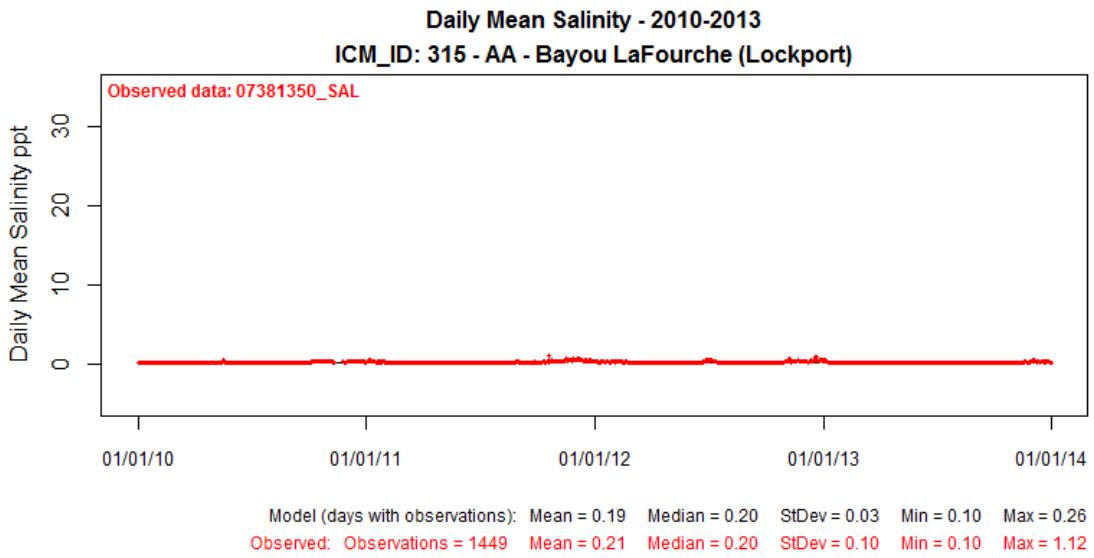

Figure 165: Modeled Salinity (ppt) at ICM Compartment 315 (solid black line) Compared to Observed Data at USGS07381350 for Calibration Period, 2010-2013.

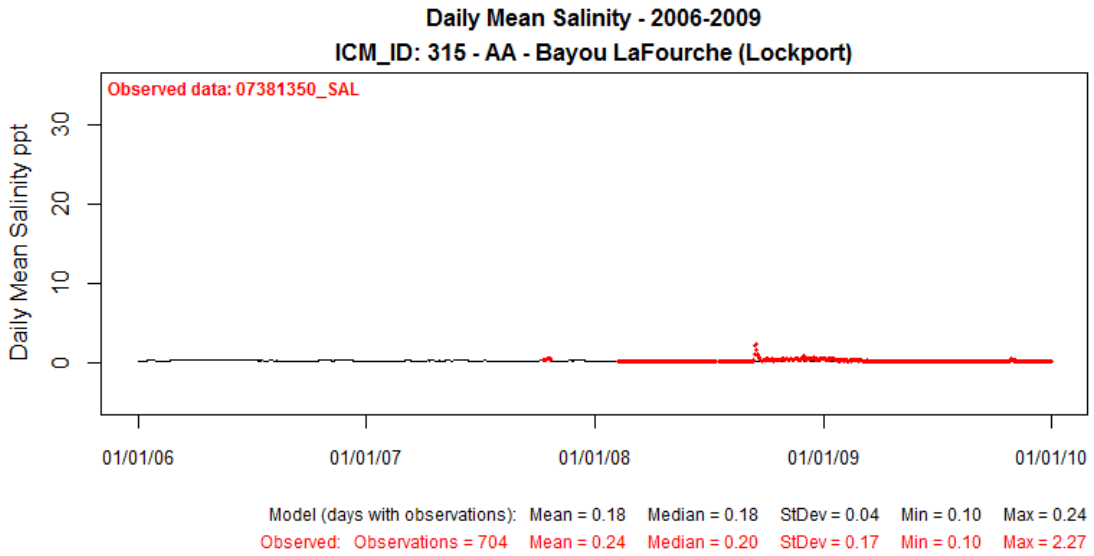

Figure 166: Modeled Salinity (ppt) at ICM Compartment 315 (solid black line) Compared to Observed Data at USGS07381350 for Validation Period, 2006-2009.

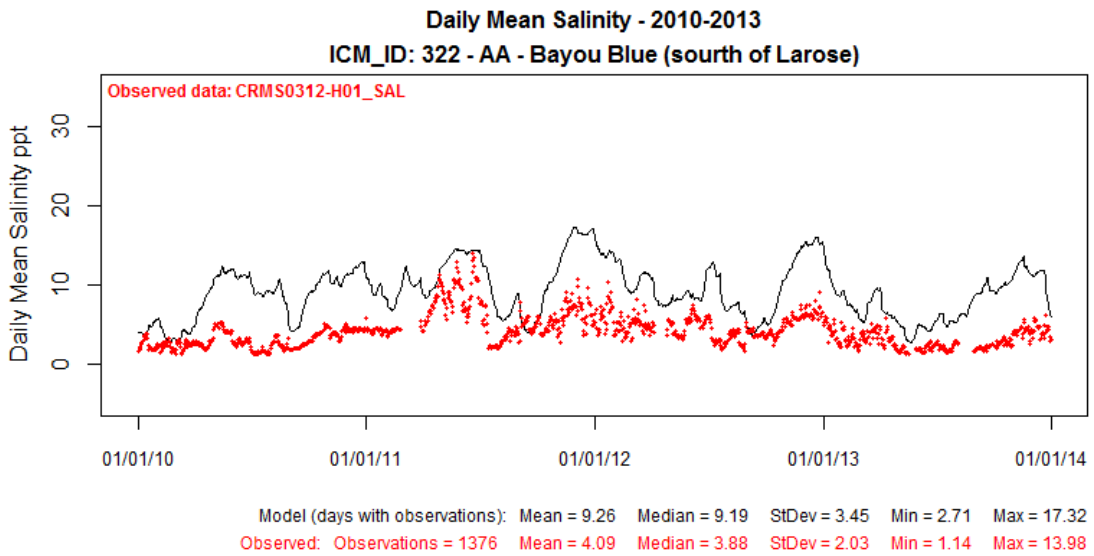

Figure 167: Modeled Salinity (ppt) at ICM Compartment 322 (solid black line) Compared to Observed Data at CRMS0312-H01 for Calibration Period, 2010-2013.

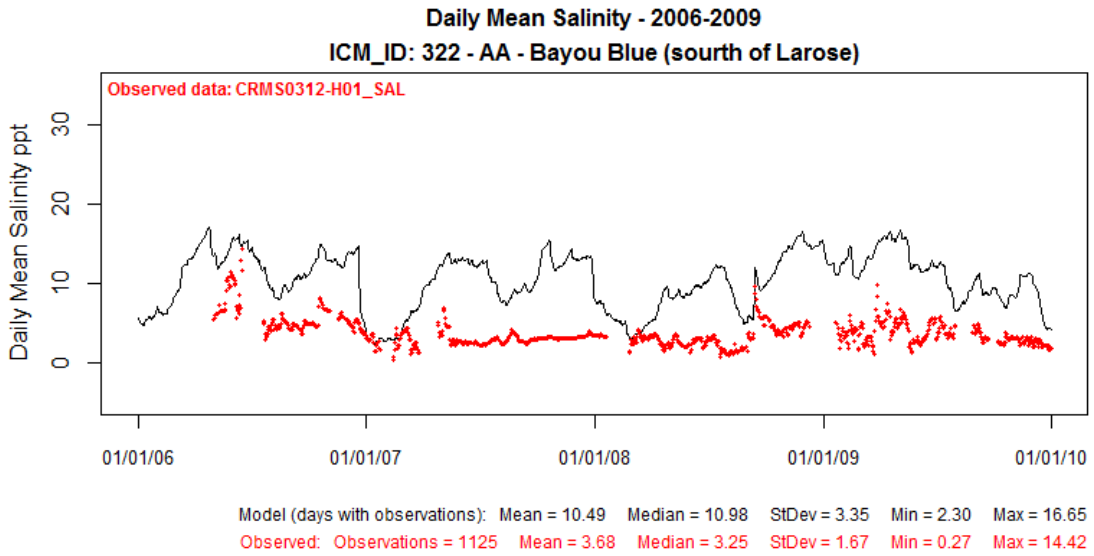

Figure 168: Modeled Salinity (ppt) at ICM Compartment 322 (solid black line) Compared to Observed Data at CRMS0312-H01 for Validation Period, 2006-2009.

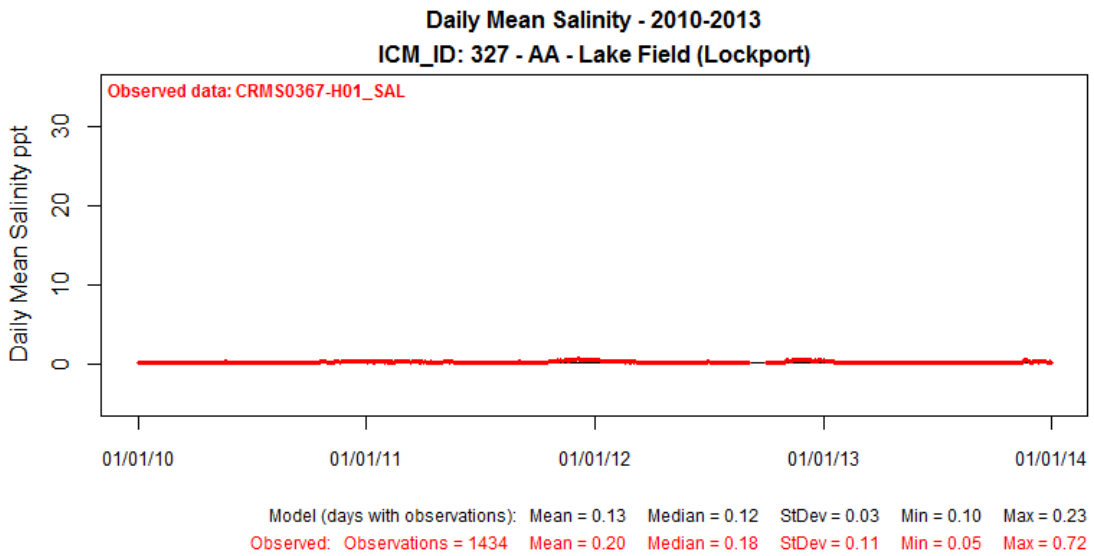

Figure 169: Modeled Salinity (ppt) at ICM Compartment 327 (solid black line) Compared to Observed Data at CRMS0367-H01 for Calibration Period, 2010-2013.

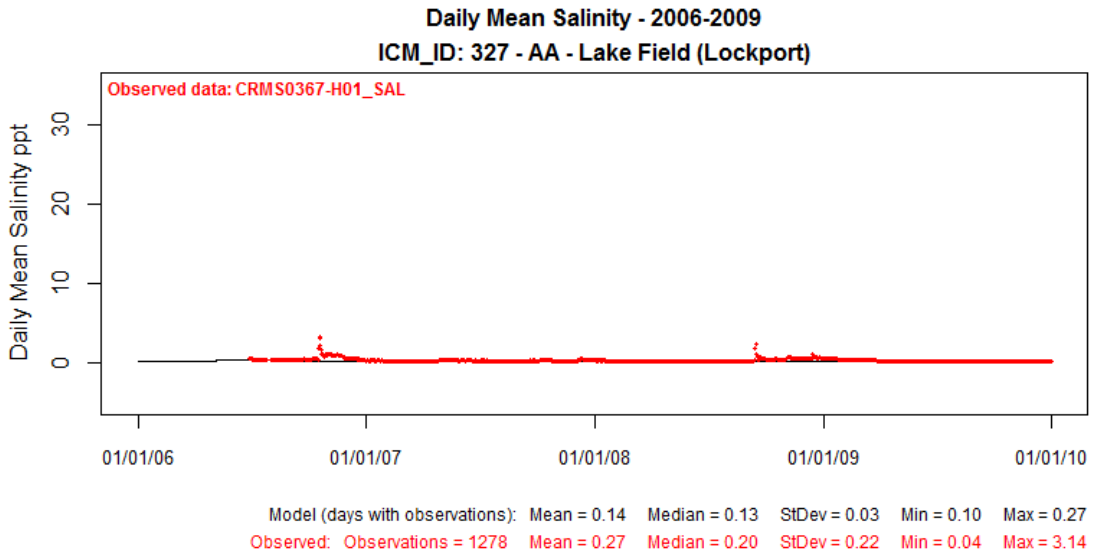

Figure 170: Modeled Salinity (ppt) at ICM Compartment 327 (solid black line) Compared to Observed Data at CRMS0367-H01 for Validation Period, 2006-2009.

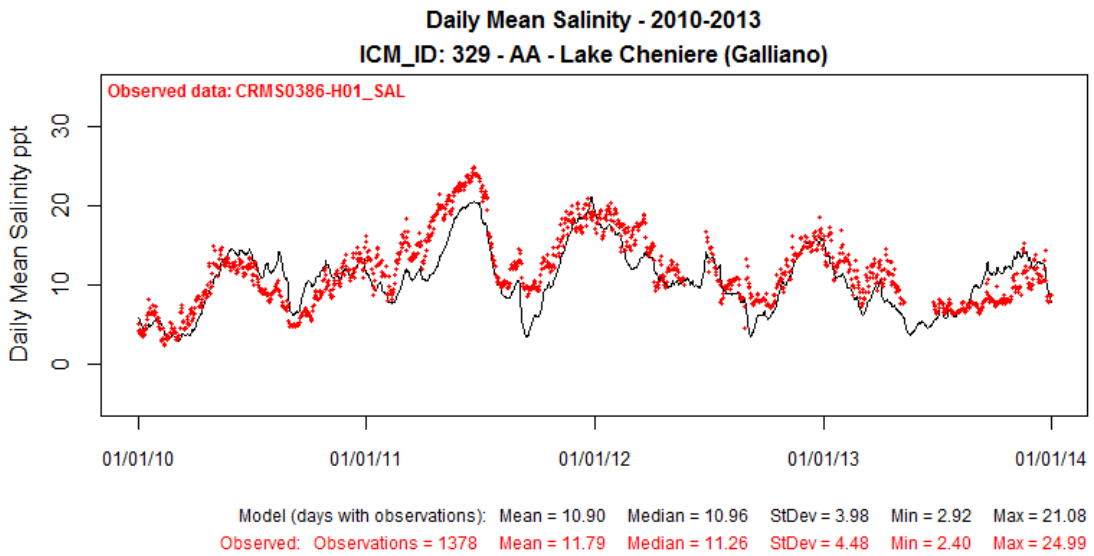

Figure 171: Modeled Salinity (ppt) at ICM Compartment 329 (solid black line) Compared to Observed Data at CRMS0386-H01 for Calibration Period, 2010-2013.

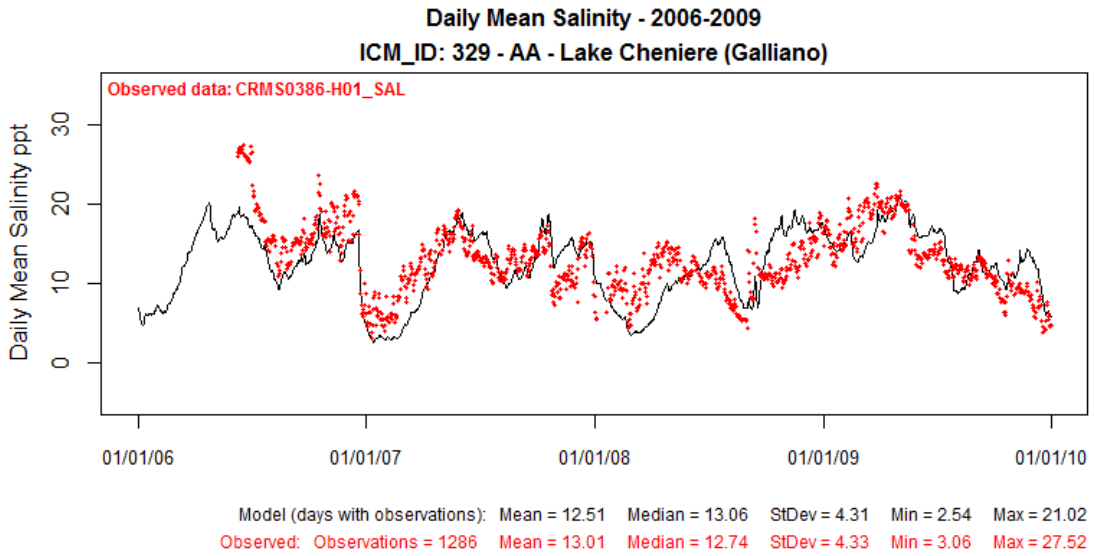

Figure 172: Modeled Salinity (ppt) at ICM Compartment 329 (solid black line) Compared to Observed Data at CRMS0386-H01 for Validation Period, 2006-2009.

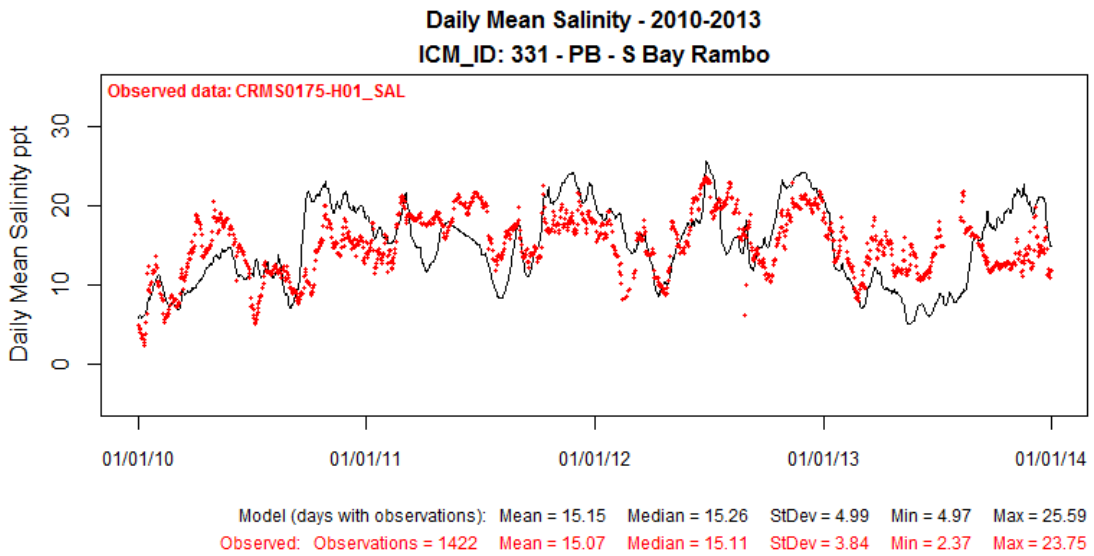

Figure 173: Modeled Salinity (ppt) at ICM Compartment 331 (solid black line) Compared to Observed Data at CRMS0175-H01 for Calibration Period, 2010-2013.

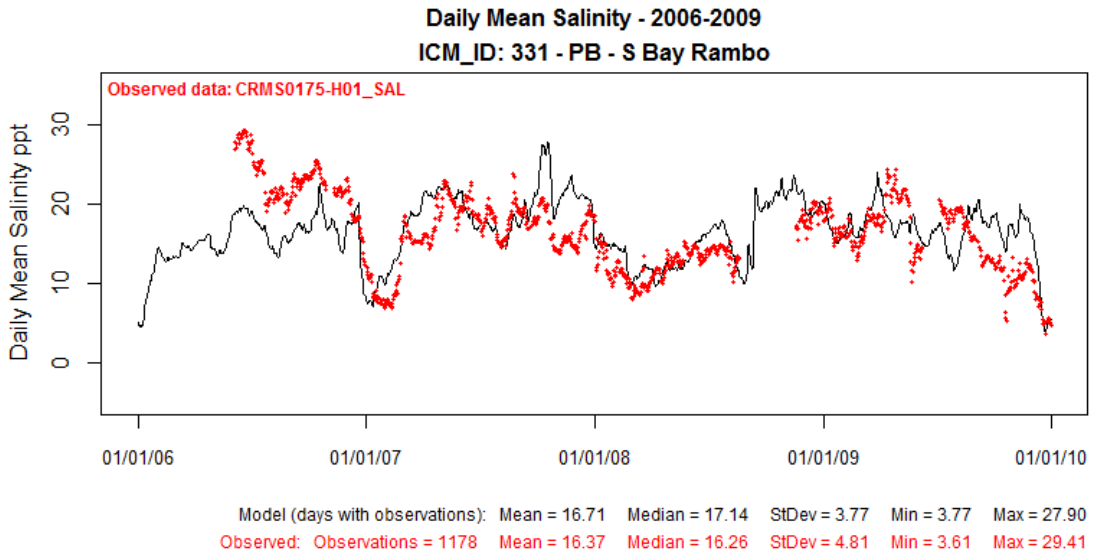

Figure 174: Modeled Salinity (ppt) at ICM Compartment 331 (solid black line) Compared to Observed Data at CRMS0175-H01 for Validation Period, 2006-2009.

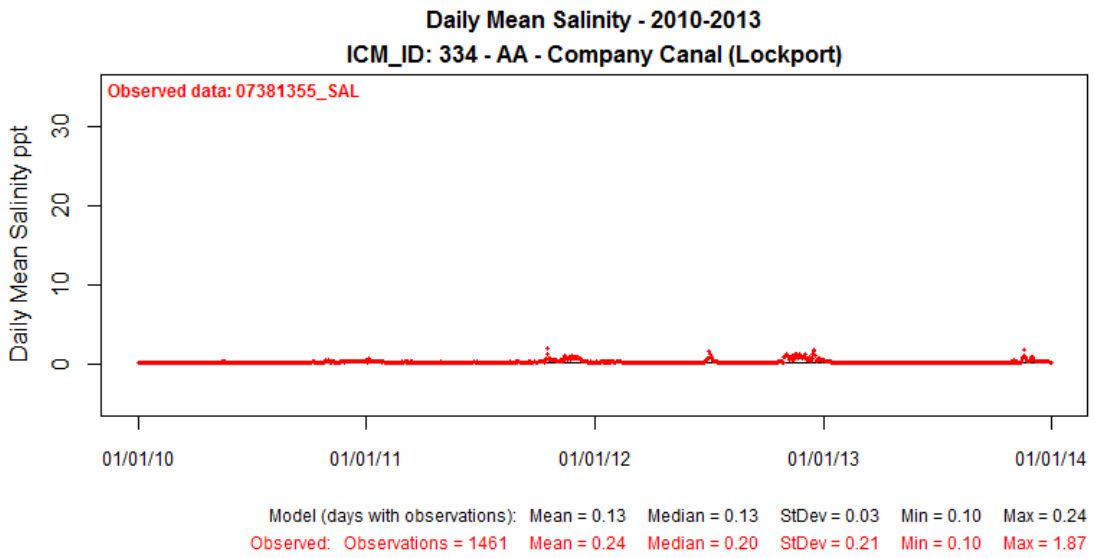

Figure 175: Modeled Salinity (ppt) at ICM Compartment 334 (solid black line) Compared to Observed Data at USGS07381355 for Calibration Period, 2010-2013.

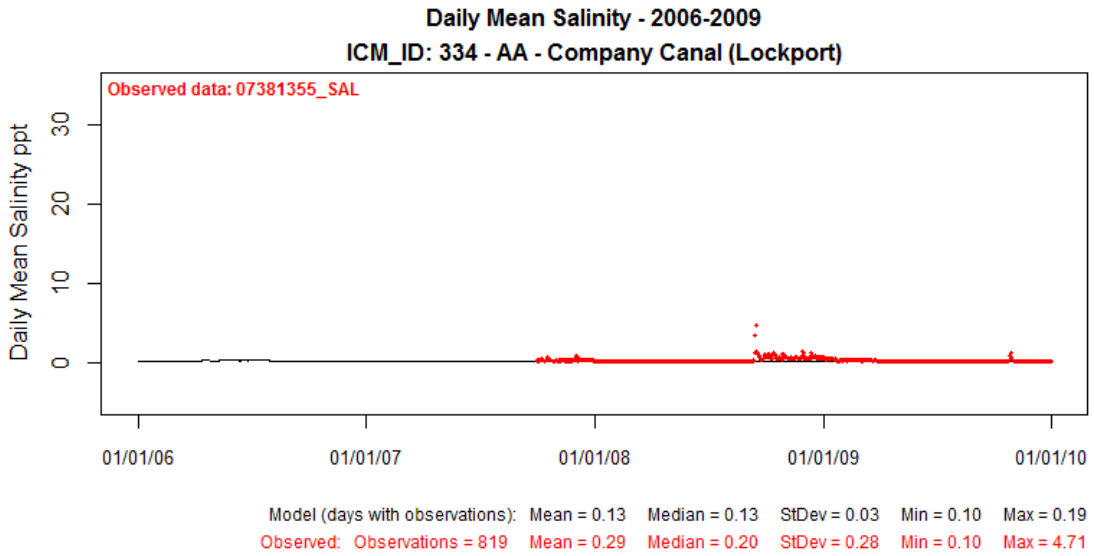

Figure 176: Modeled Salinity (ppt) at ICM Compartment 334 (solid black line) Compared to Observed Data at USGS07381355 for Validation Period, 2006-2009.

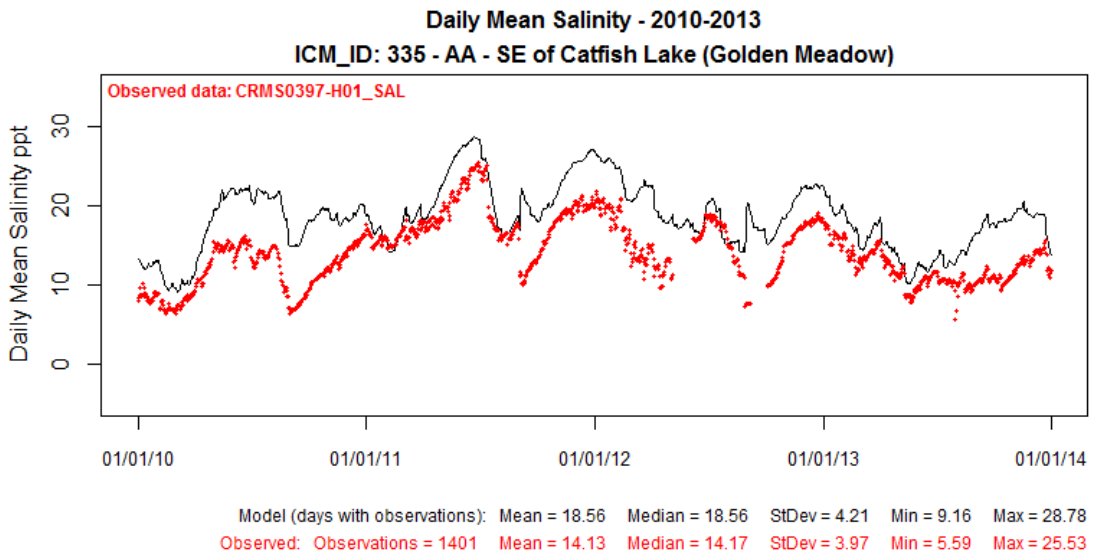

Figure 177: Modeled Salinity (ppt) at ICM Compartment 335 (solid black line) Compared to Observed Data at CRMS0397-H01 for Calibration Period, 2010-2013.

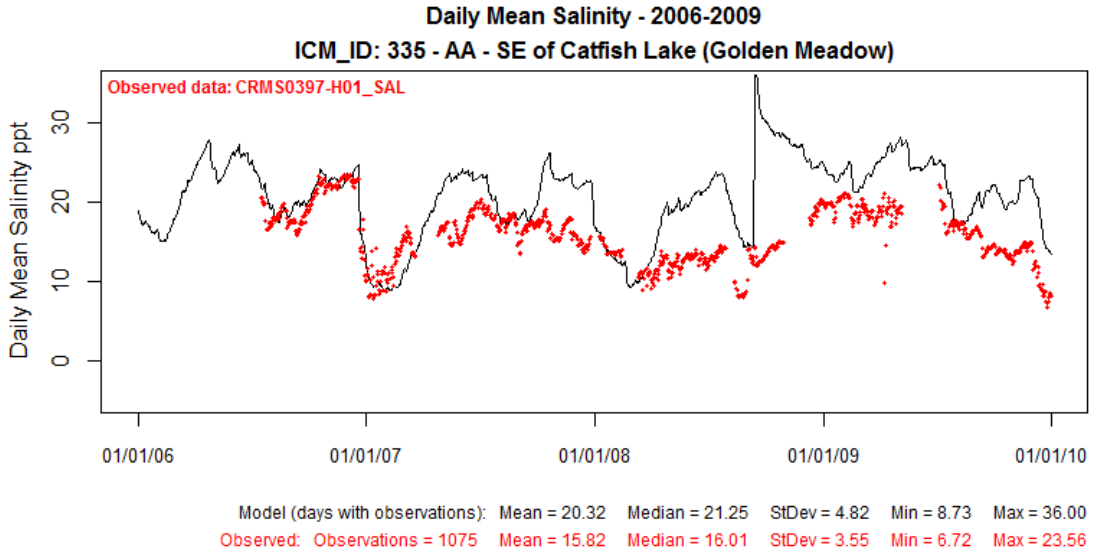

Figure 178: Modeled Salinity (ppt) at ICM Compartment 335 (solid black line) Compared to Observed Data at CRMS0397-H01 for Validation Period, 2006-2009.

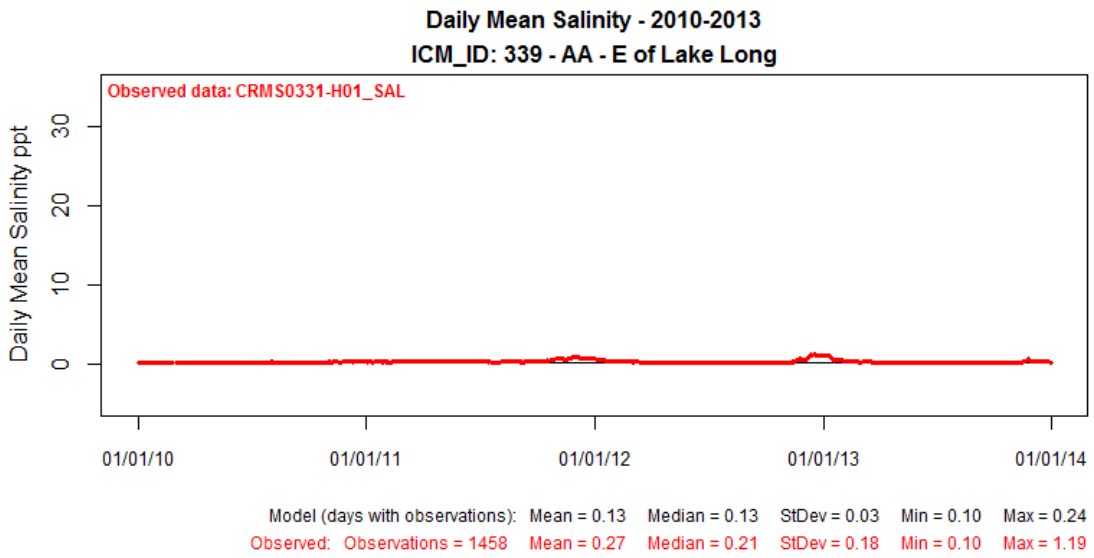

Figure 179: Modeled Salinity (ppt) at ICM Compartment 339 (solid black line) Compared to Observed Data at CRMS0331-H01 for Calibration Period, 2010-2013.

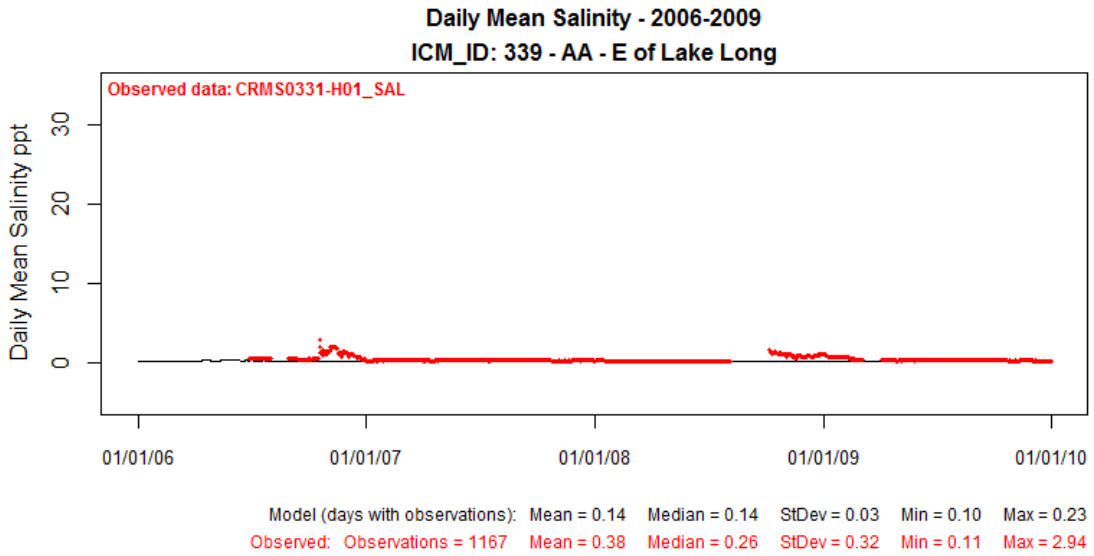

Figure 180: Modeled Salinity (ppt) at ICM Compartment 339 (solid black line) Compared to Observed Data at CRMS0331-H01 for Validation Period, 2006-2009.

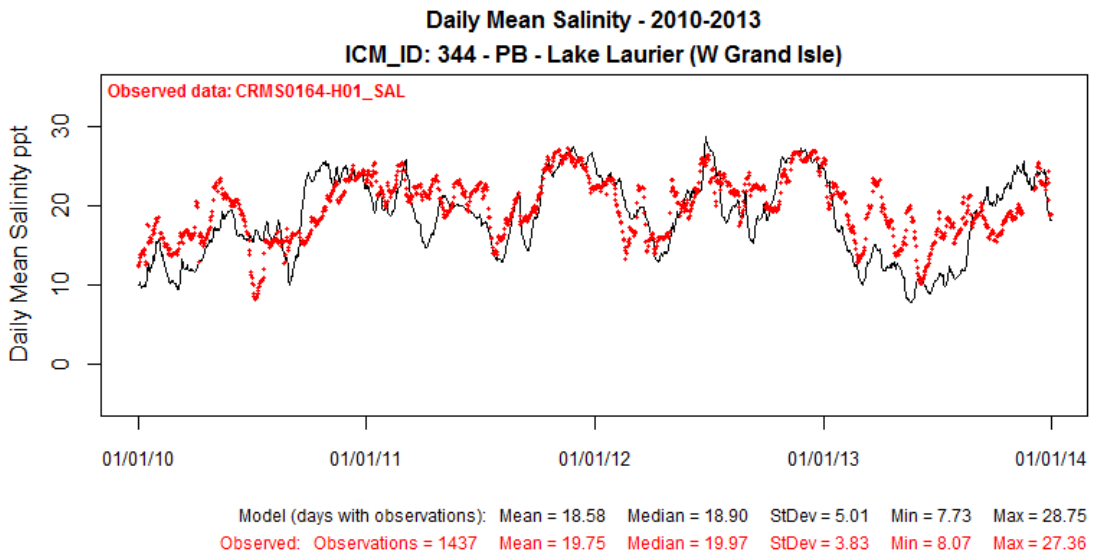

Figure 181: Modeled Salinity (ppt) at ICM Compartment 344 (solid black line) Compared to Observed Data at CRMS0164-H01 for Calibration Period, 2010-2013.

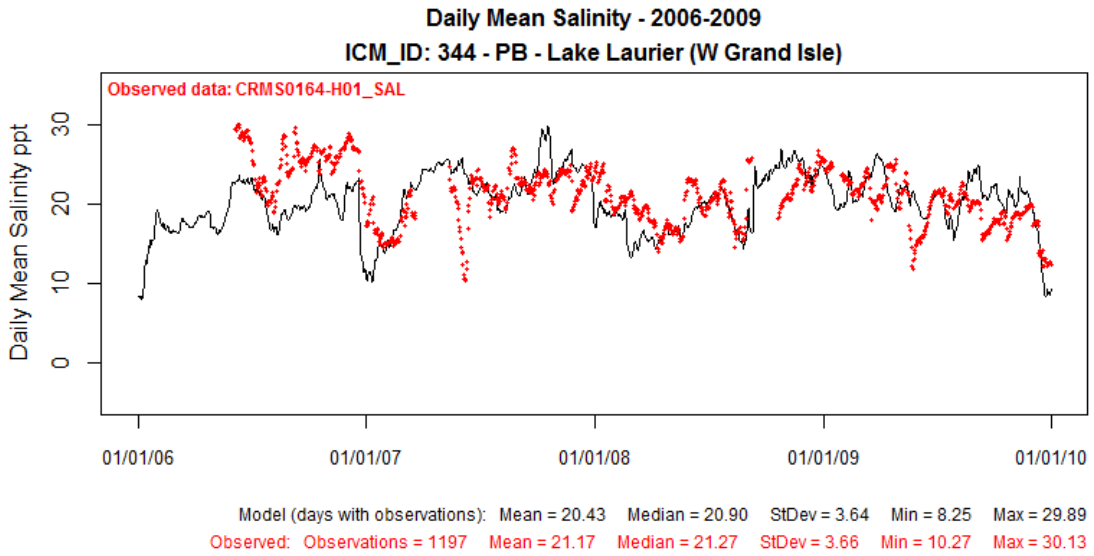

Figure 182: Modeled Salinity (ppt) at ICM Compartment 344 (solid black line) Compared to Observed Data at CRMS0164-H01 for Validation Period, 2006-2009.

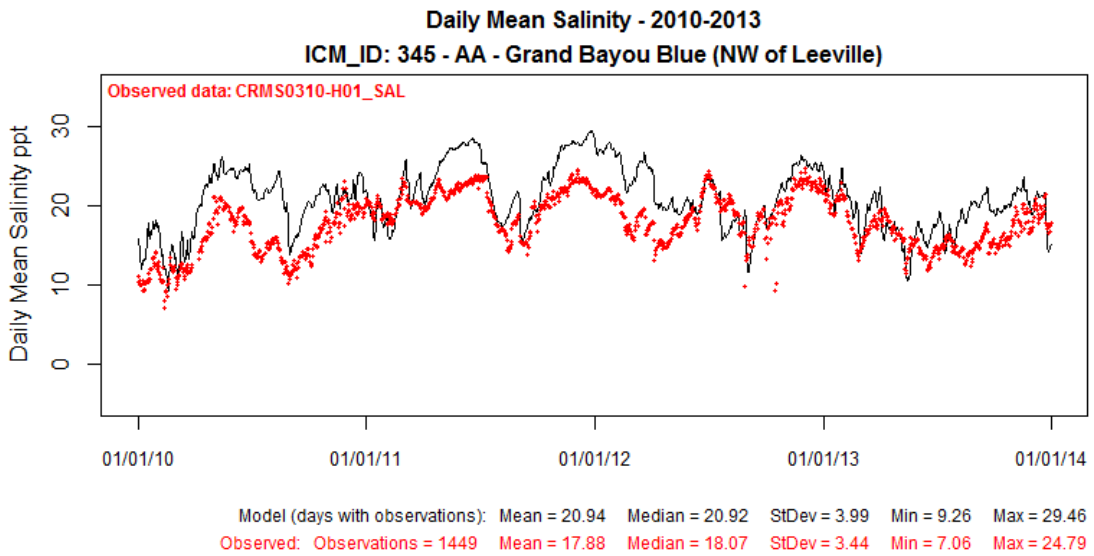

Figure 183: Modeled Salinity (ppt) at ICM Compartment 345 (solid black line) Compared to Observed Data at CRMS0310-H01 for Calibration Period, 2010-2013.

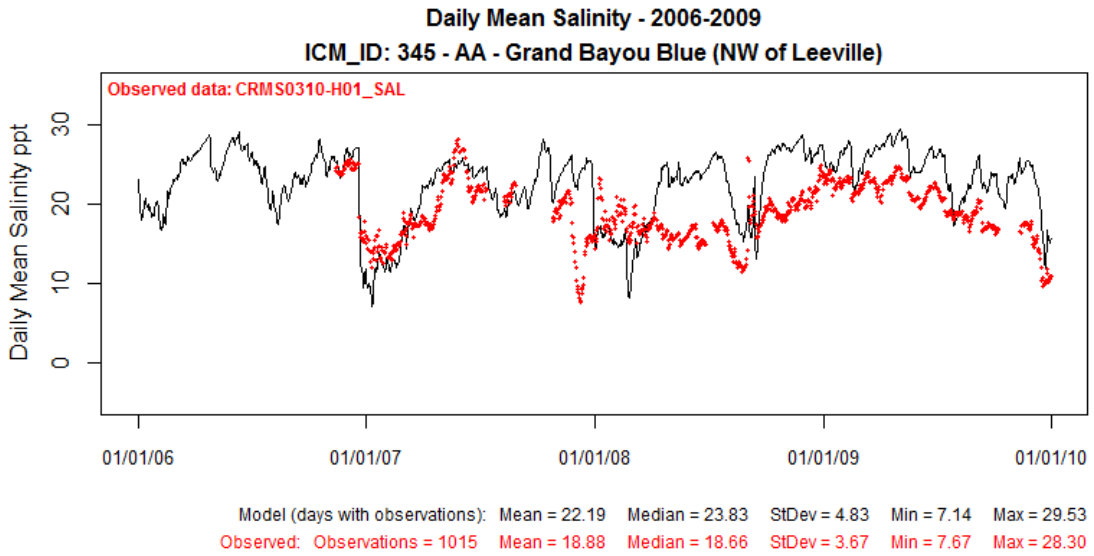

Figure 184: Modeled Salinity (ppt) at ICM Compartment 345 (solid black line) Compared to Observed Data at CRMS0310-H01 for Validation Period, 2006-2009.

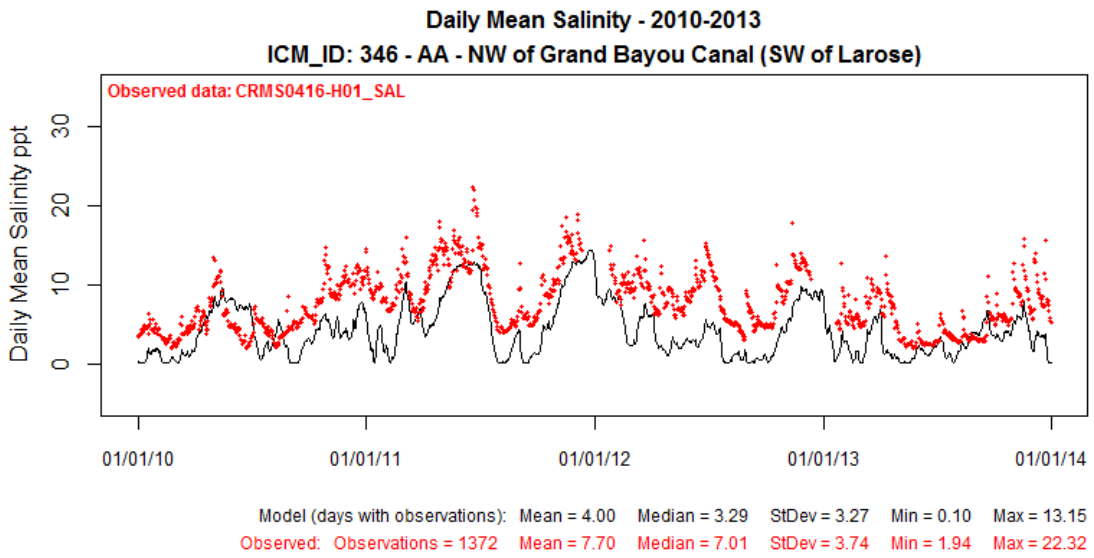

Figure 185: Modeled Salinity (ppt) at ICM Compartment 346 (solid black line) Compared to Observed Data at CRMS0416-H01 for Calibration Period, 2010-2013.

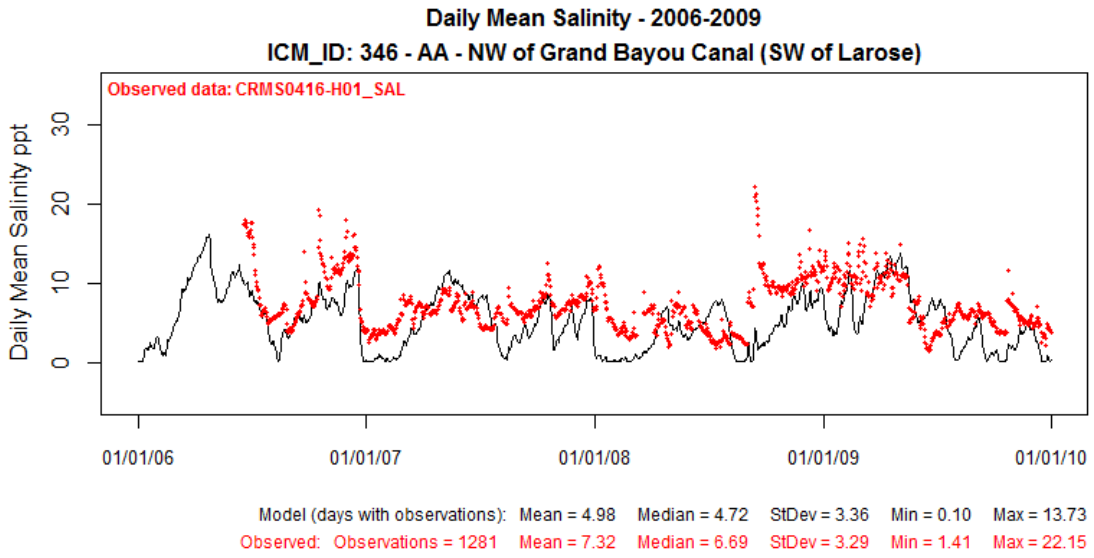

Figure 186: Modeled Salinity (ppt) at ICM Compartment 346 (solid black line) Compared to Observed Data at CRMS0416-H01 for Validation Period, 2006-2009.

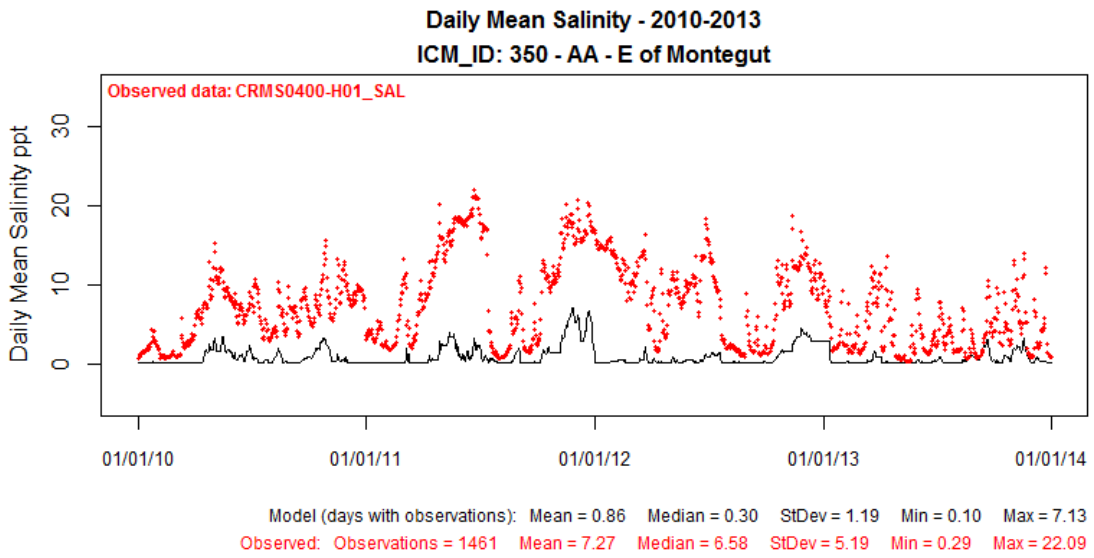

Figure 187: Modeled Salinity (ppt) at ICM Compartment 350 (solid black line) Compared to Observed Data at CRMS0400-H01 for Calibration Period, 2010-2013.

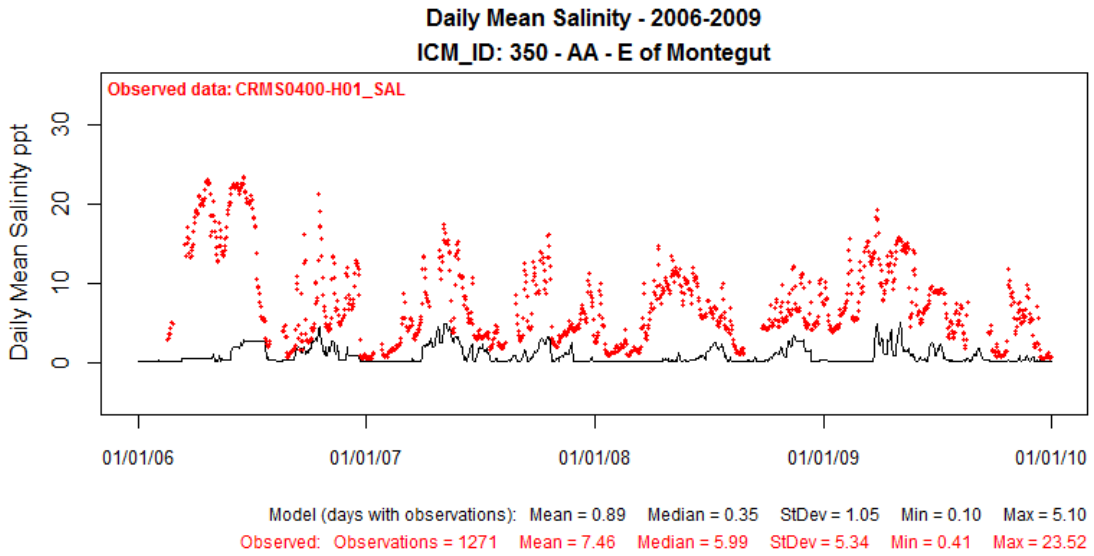

Figure 188: Modeled Salinity (ppt) at ICM Compartment 350 (solid black line) Compared to Observed Data at CRMS0400-H01 for Validation Period, 2006-2009.

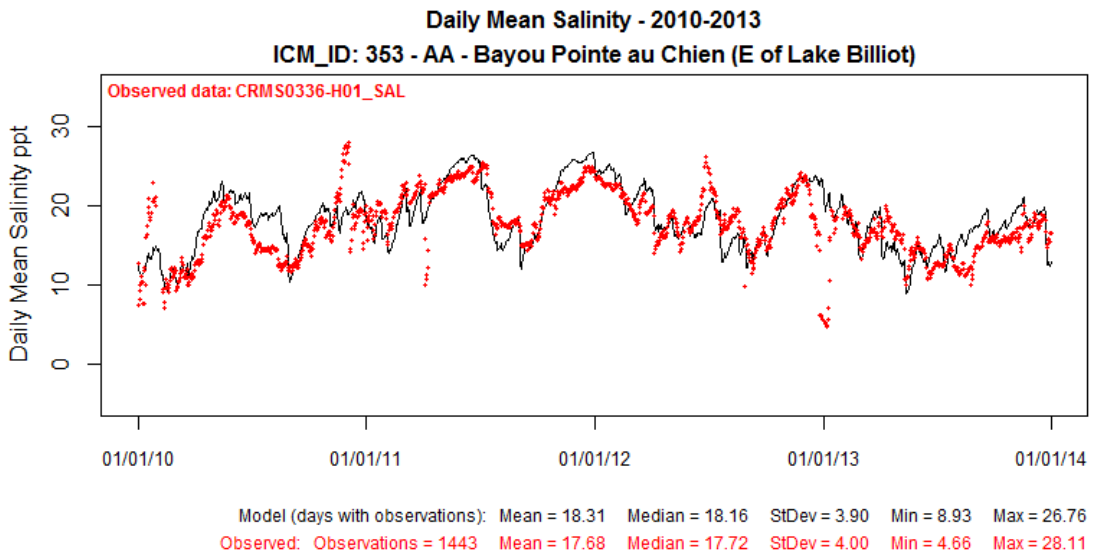

Figure 189: Modeled Salinity (ppt) at ICM Compartment 353 (solid black line) Compared to Observed Data at CRMS0336-H01 for Calibration Period, 2010-2013.

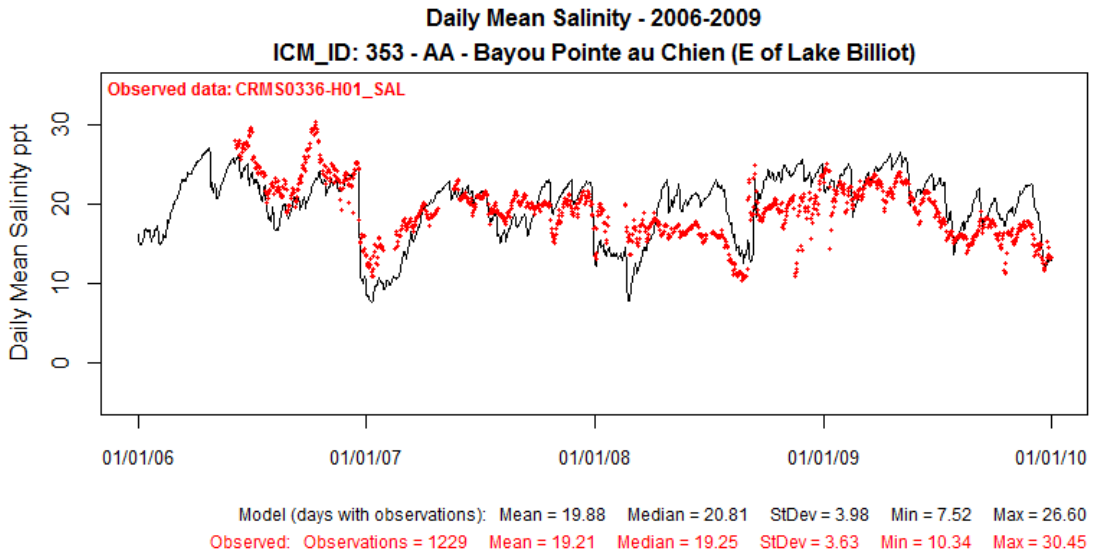

Figure 190: Modeled Salinity (ppt) at ICM Compartment 353 (solid black line) Compared to Observed Data at CRMS0336-H01 for Validation Period, 2006-2009.

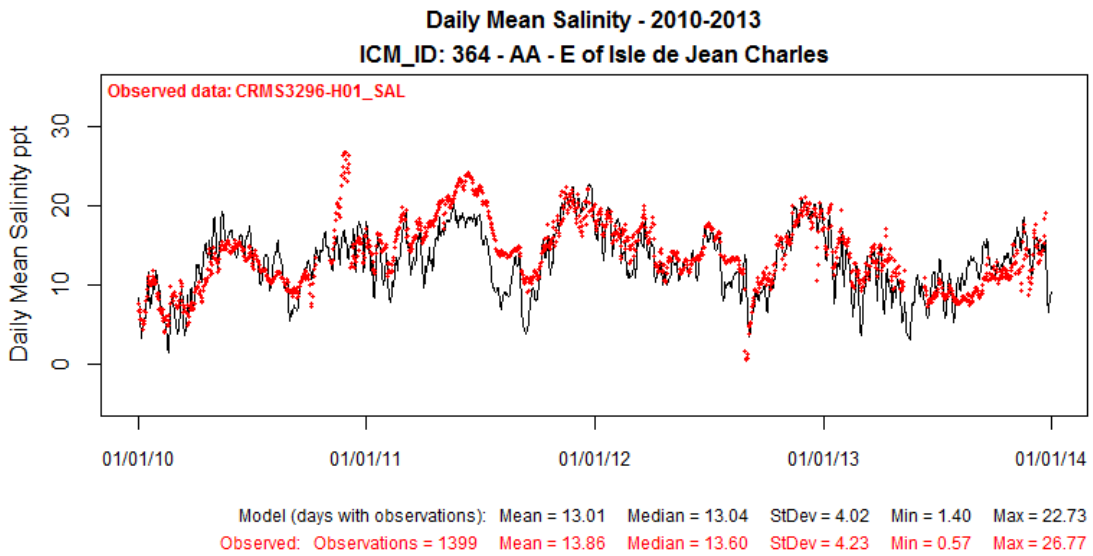

Figure 191: Modeled Salinity (ppt) at ICM Compartment 364 (solid black line) Compared to Observed Data at CRMS3296-H01 for Calibration Period, 2010-2013.

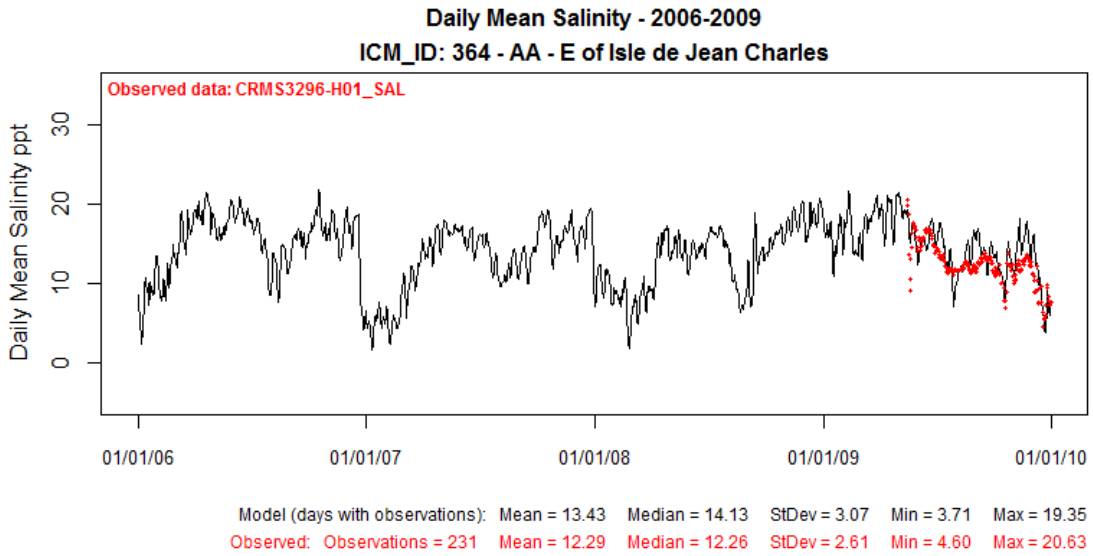

Figure 192: Modeled Salinity (ppt) at ICM Compartment 364 (solid black line) Compared to Observed Data at CRMS3296-H01 for Validation Period, 2006-2009.

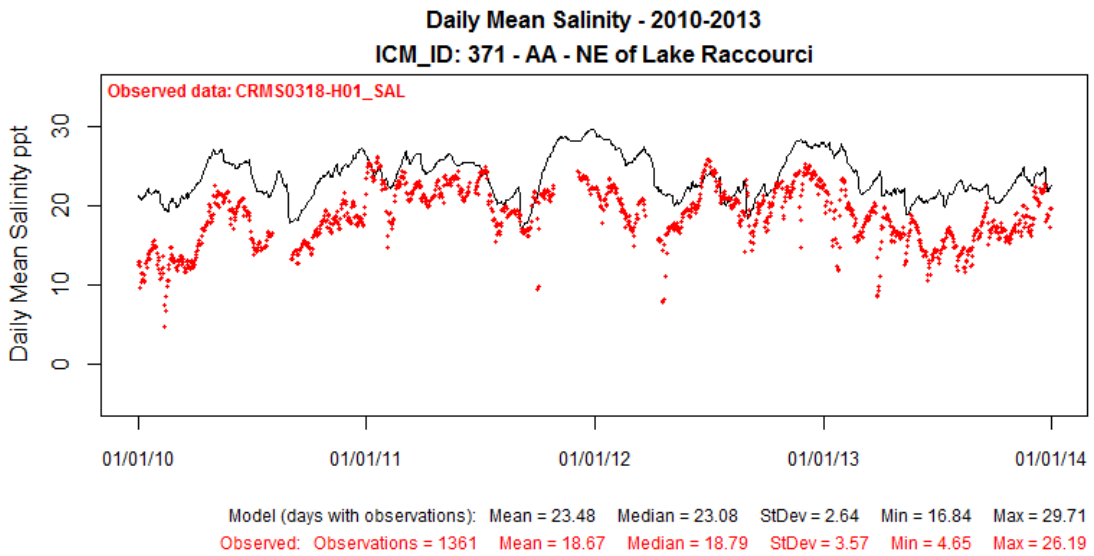

Figure 193: Modeled Salinity (ppt) at ICM Compartment 371 (solid black line) Compared to Observed Data at CRMS0318-H01 for Calibration Period, 2010-2013.

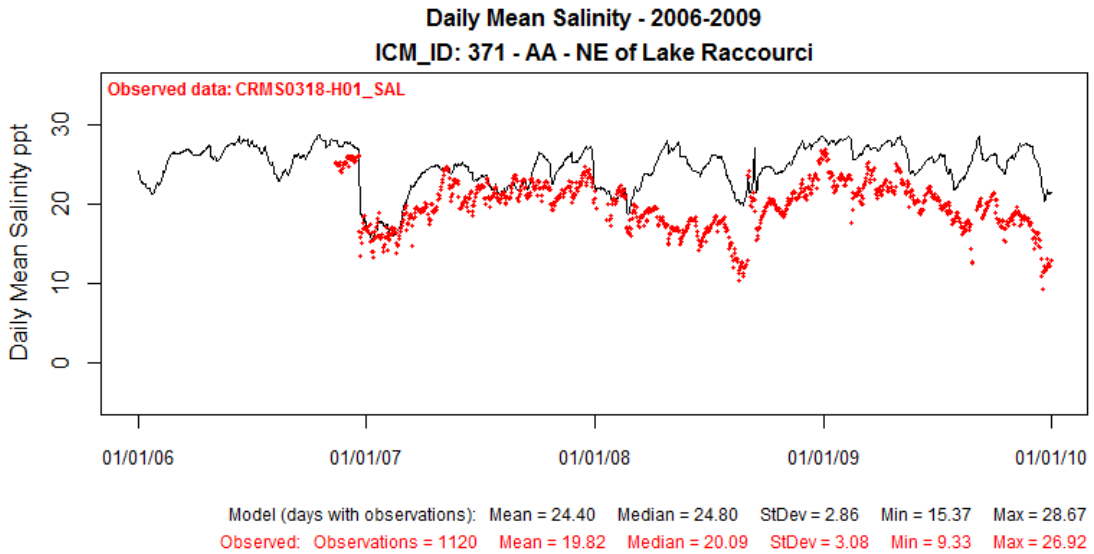

Figure 194: Modeled Salinity (ppt) at ICM Compartment 371 (solid black line) Compared to Observed Data at CRMS0318-H01 for Validation Period, 2006-2009.

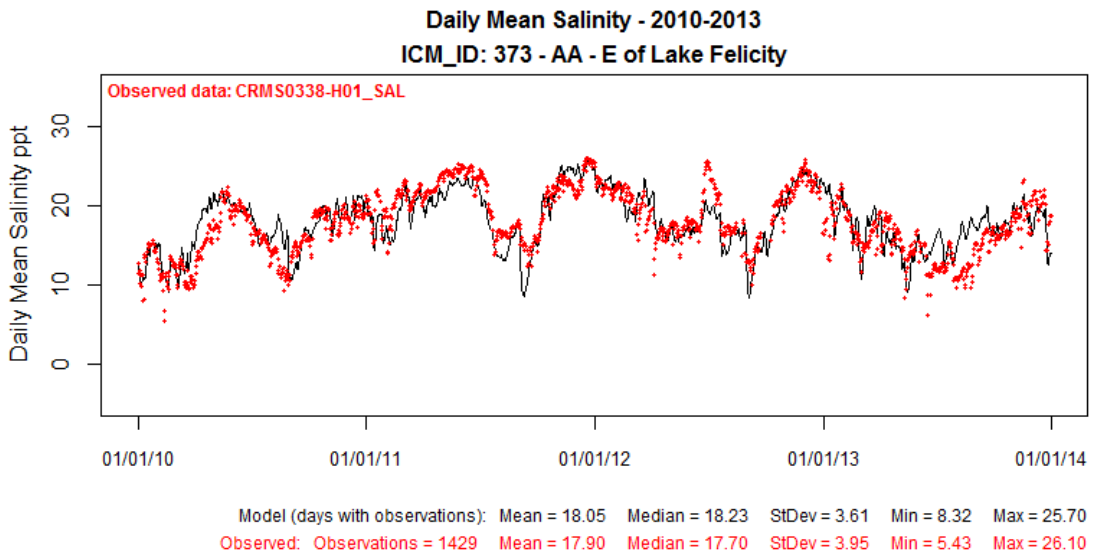

Figure 195: Modeled Salinity (ppt) at ICM Compartment 373 (solid black line) Compared to Observed Data at CRMS0338-H01 for Calibration Period, 2010-2013.

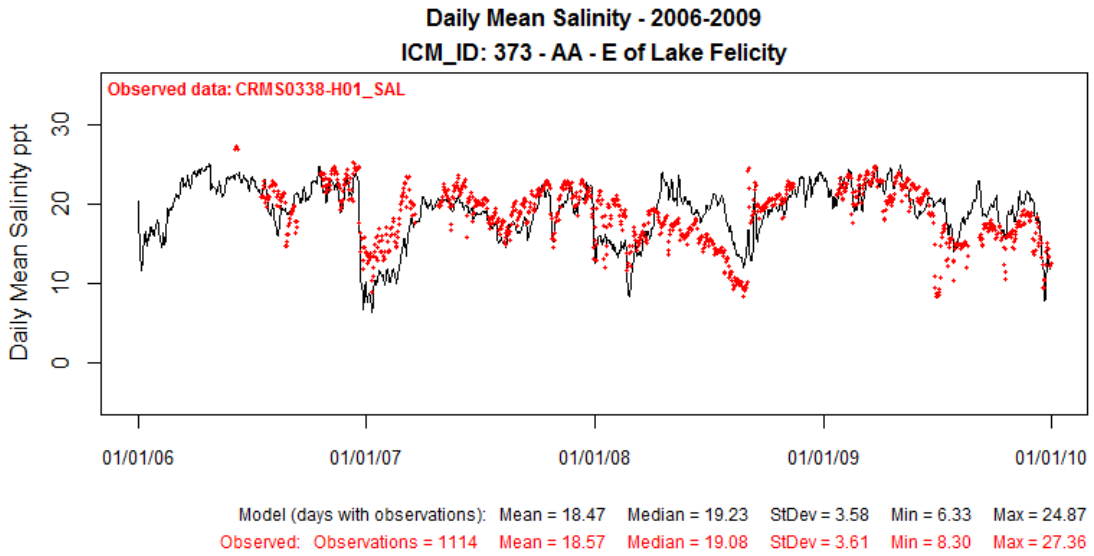

Figure 196: Modeled Salinity (ppt) at ICM Compartment 373 (solid black line) Compared to Observed Data at CRMS0338-H01 for Validation Period, 2006-2009.

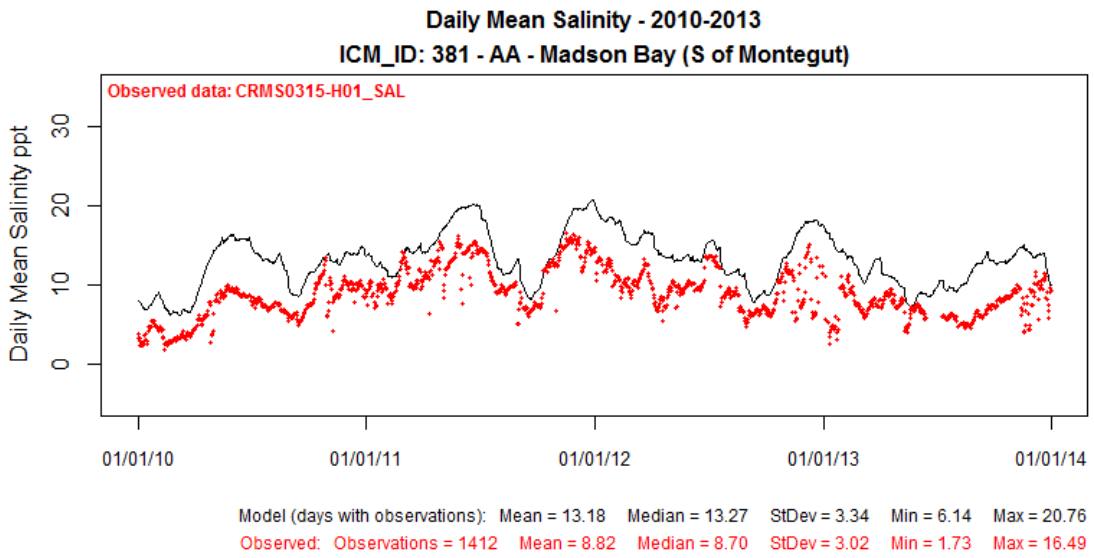

Figure 197: Modeled Salinity (ppt) at ICM Compartment 381 (solid black line) Compared to Observed Data at CRMS0315-H01 for Calibration Period, 2010-2013.

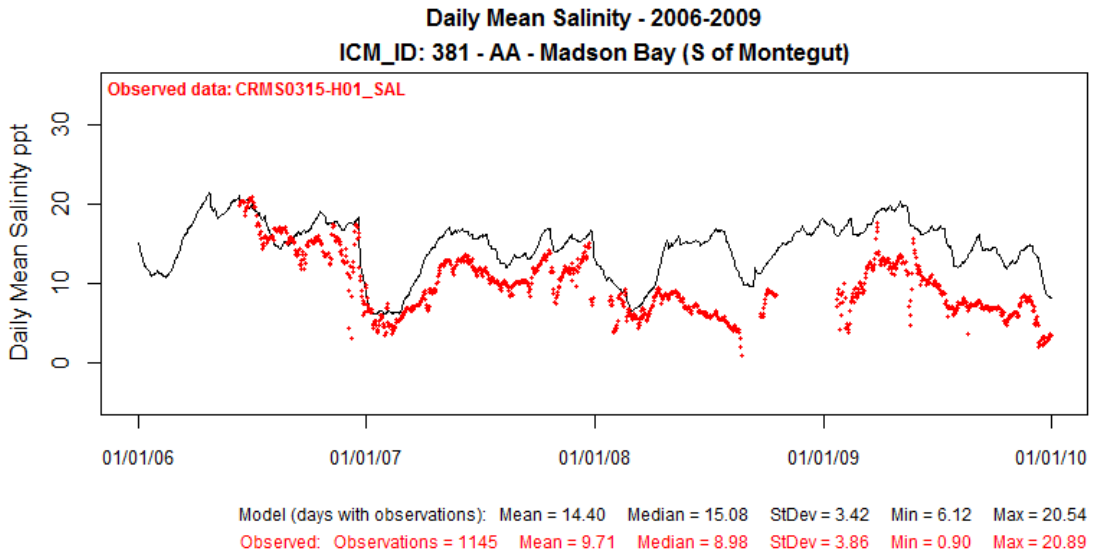

Figure 198: Modeled Salinity (ppt) at ICM Compartment 381 (solid black line) Compared to Observed Data at CRMS0315-H01 for Validation Period, 2006-2009.

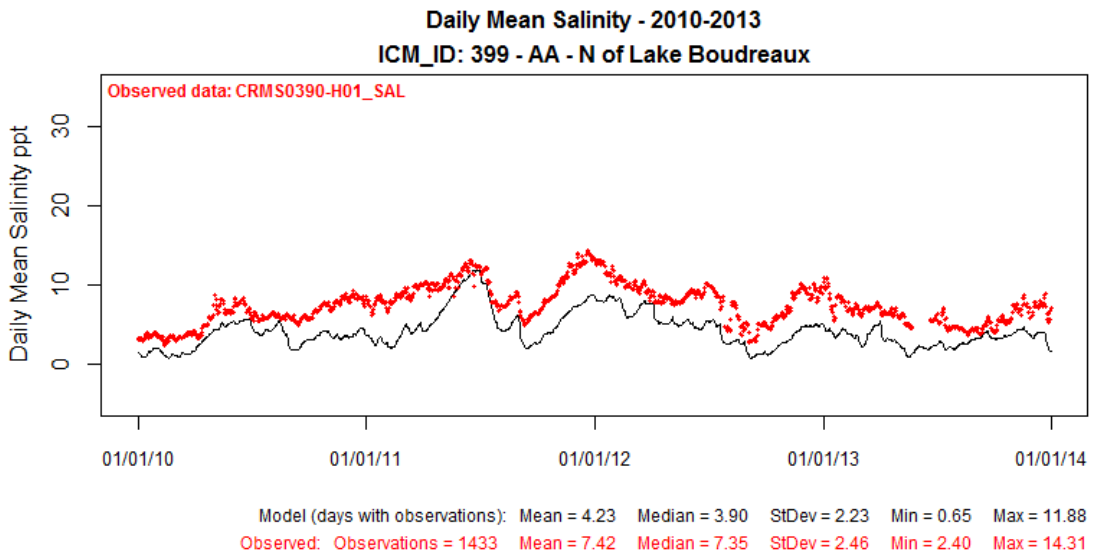

Figure 199: Modeled Salinity (ppt) at ICM Compartment 399 (solid black line) Compared to Observed Data at CRMS0390-H01 for Calibration Period, 2010-2013.

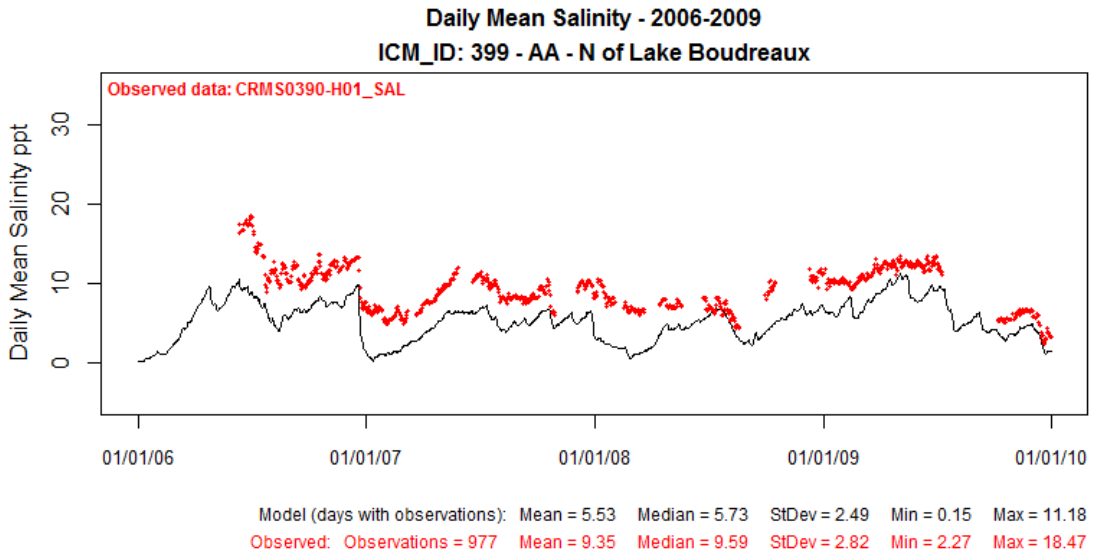

Figure 200: Modeled Salinity (ppt) at ICM Compartment 399 (solid black line) Compared to Observed Data at CRMS0390-H01 for Validation Period, 2006-2009.

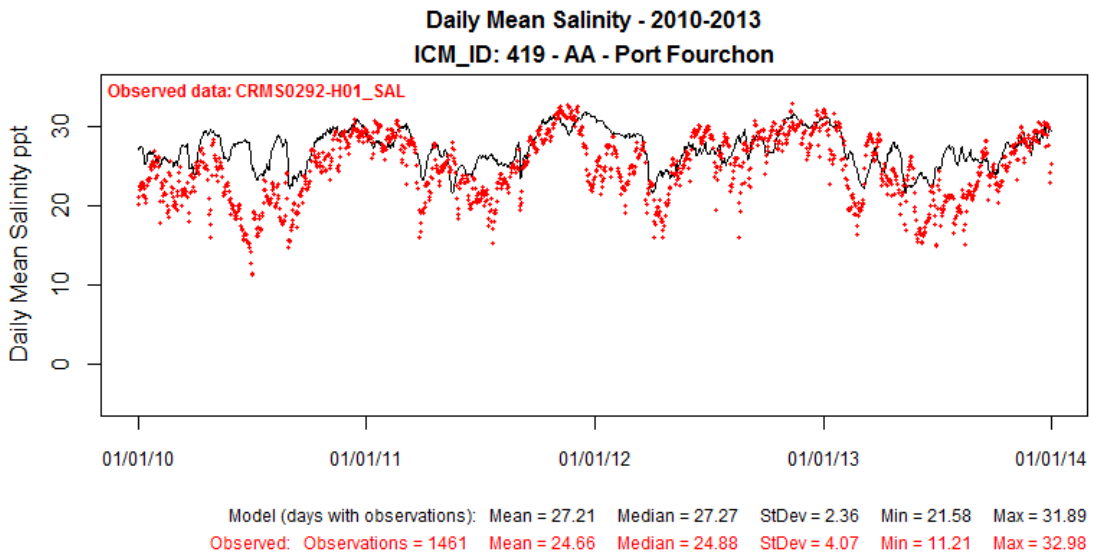

Figure 201: Modeled Salinity (ppt) at ICM Compartment 419 (solid black line) Compared to Observed Data at CRMS0292-H01 for Calibration Period, 2010-2013.

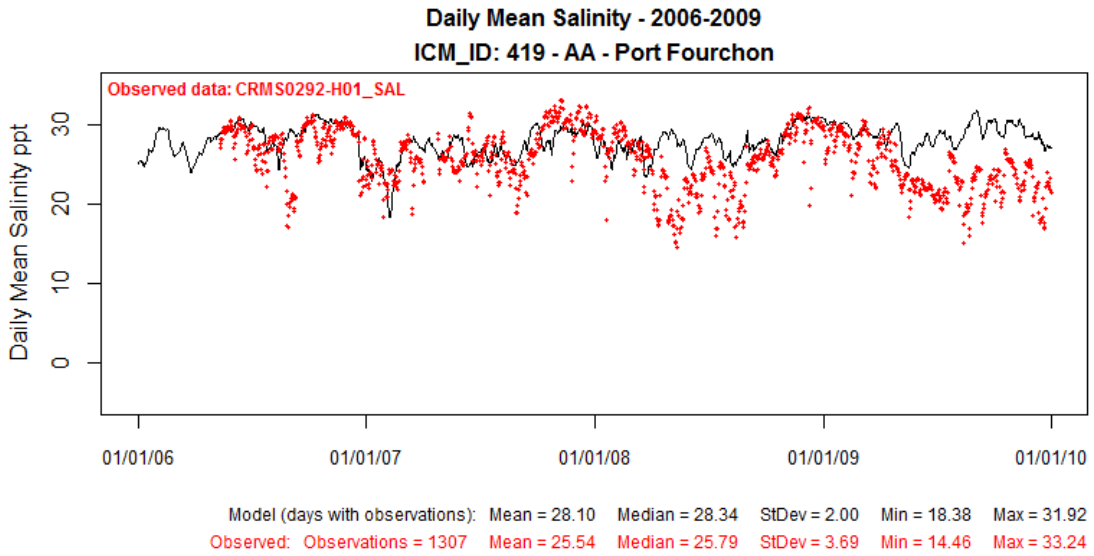

Figure 202: Modeled Salinity (ppt) at ICM Compartment 419 (solid black line) Compared to Observed Data at CRMS0292-H01 for Validation Period, 2006-2009.

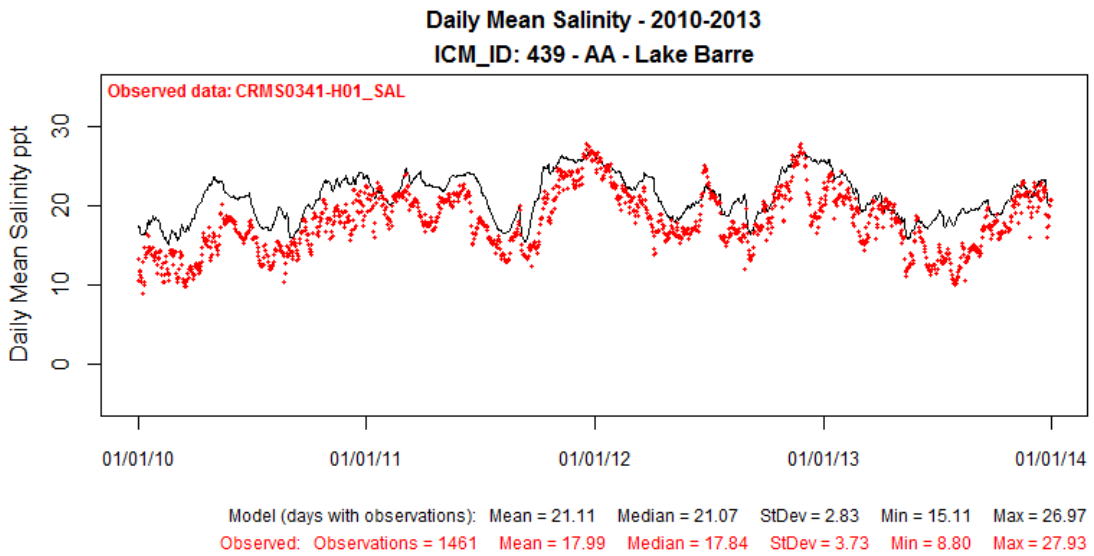

Figure 203: Modeled Salinity (ppt) at ICM Compartment 439 (solid black line) Compared to Observed Data at CRMS0341-H01 for Calibration Period, 2010-2013.

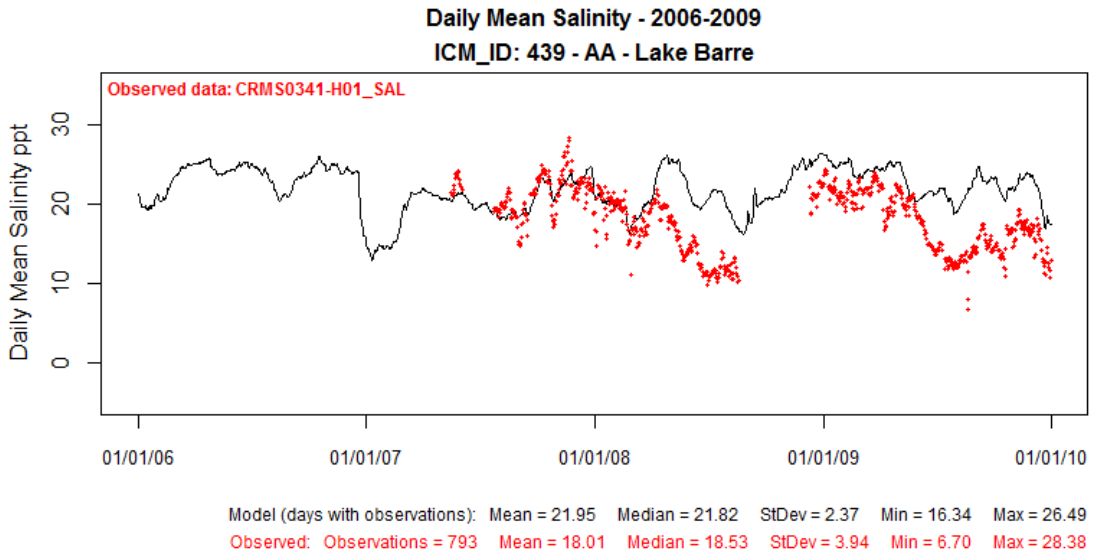

Figure 204: Modeled Salinity (ppt) at ICM Compartment 439 (solid black line) Compared to Observed Data at CRMS0341-H01 for Validation Period, 2006-2009.

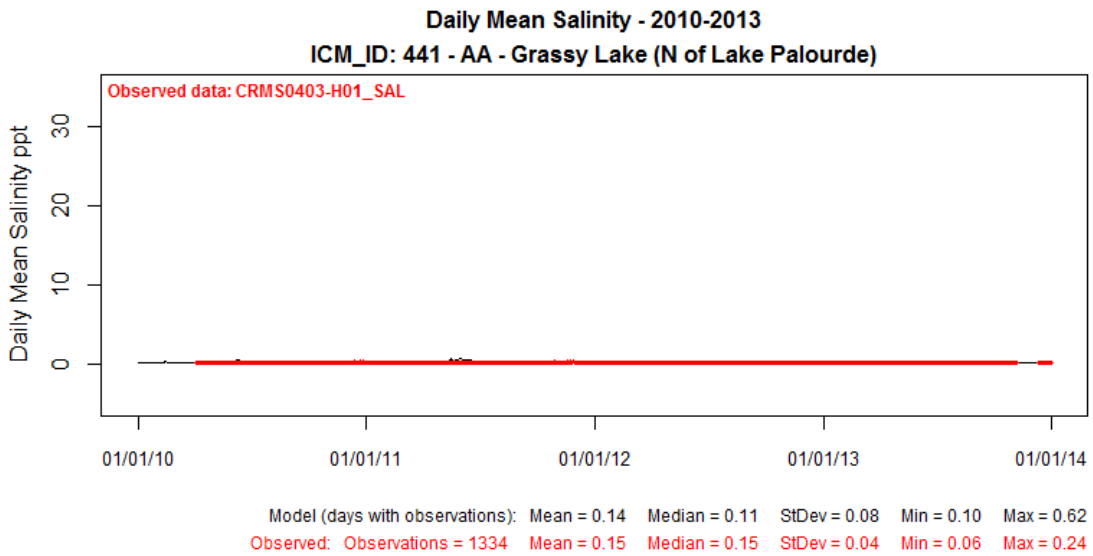

Figure 205: Modeled Salinity (ppt) at ICM Compartment 441 (solid black line) Compared to Observed Data at CRMS0403-H01 for Calibration Period, 2010-2013.

Figure 206: No Validation Figure for ICM Compartment 441.

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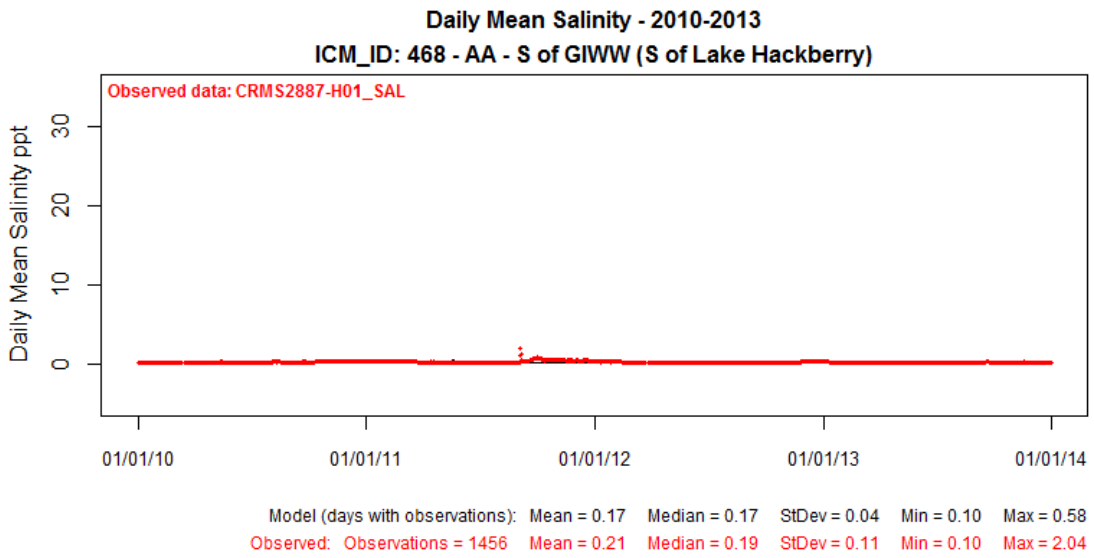

Figure 207: Modeled Salinity (ppt) at ICM Compartment 468 (solid black line) Compared to Observed Data at CRMS2887-H01 for Calibration Period, 2010-2013.

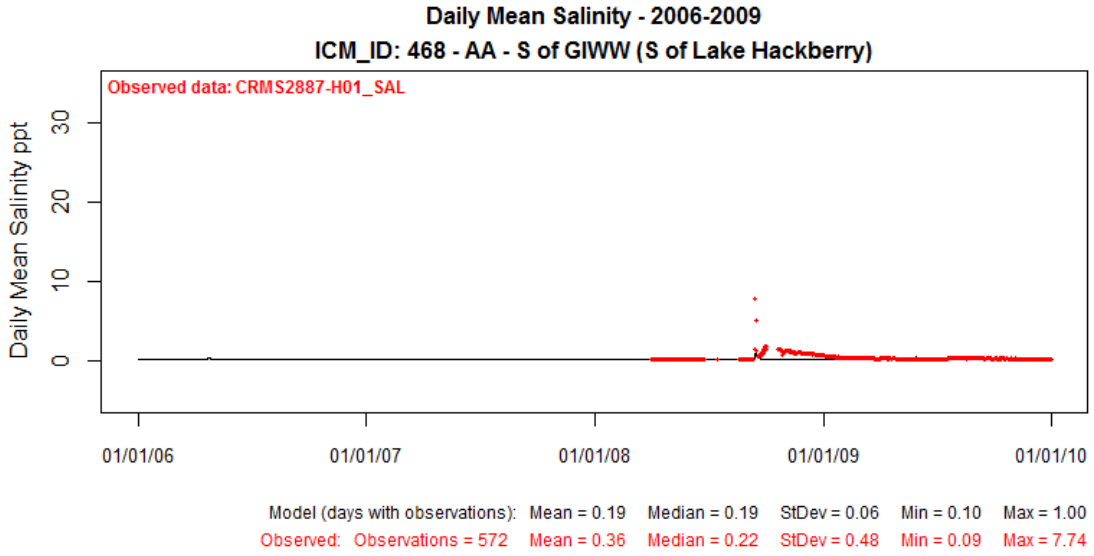

Figure 208: Modeled Salinity (ppt) at ICM Compartment 468 (solid black line) Compared to Observed Data at CRMS2887-H01 for Validation Period, 2006-2009.

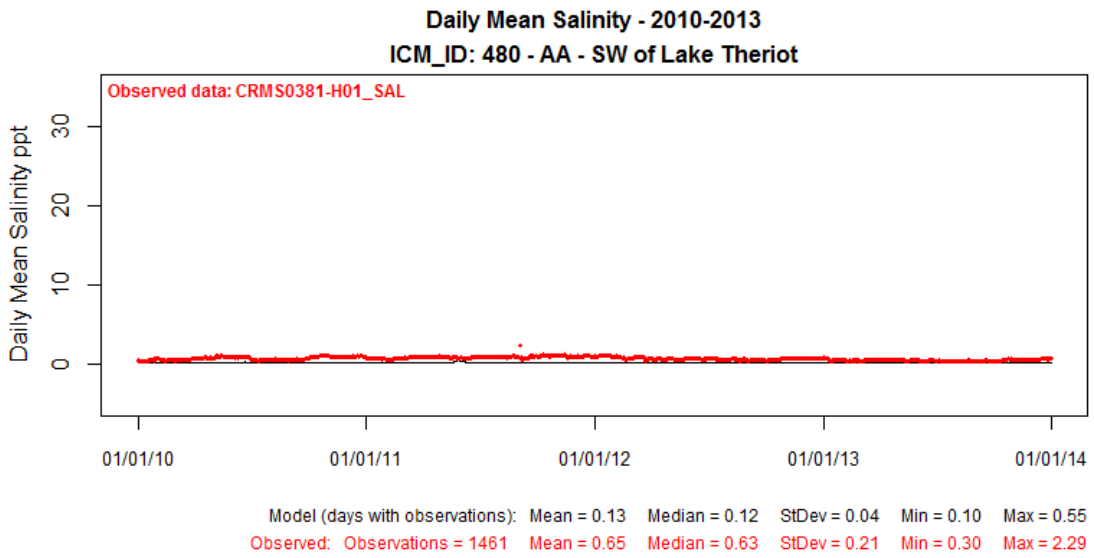

Figure 209: Modeled Salinity (ppt) at ICM Compartment 480 (solid black line) Compared to Observed Data at CRMS0381-H01 for Calibration Period, 2010-2013.

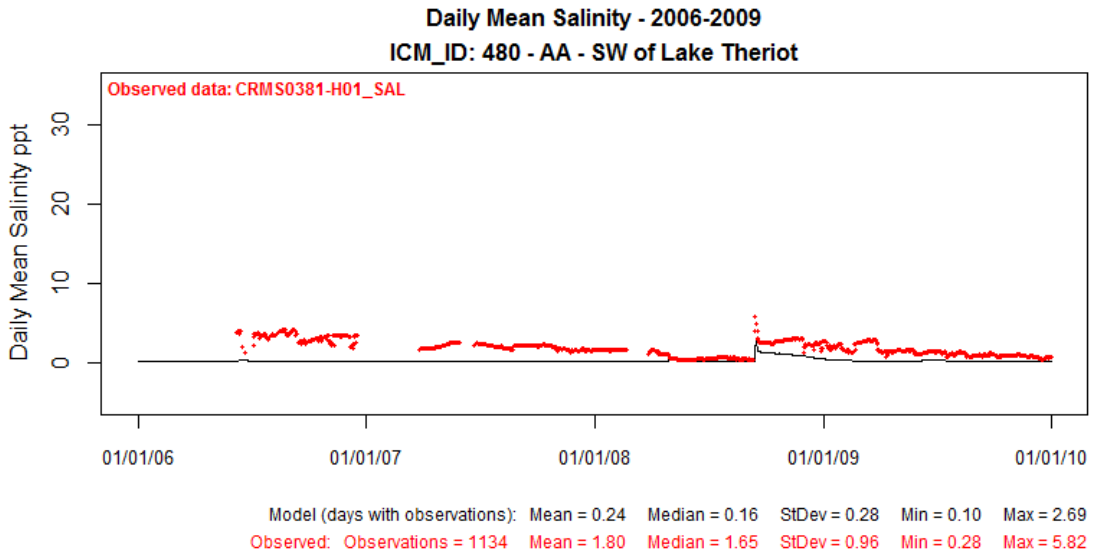

Figure 210: Modeled Salinity (ppt) at ICM Compartment 480 (solid black line) Compared to Observed Data at CRMS0381-H01 for Validation Period, 2006-2009.

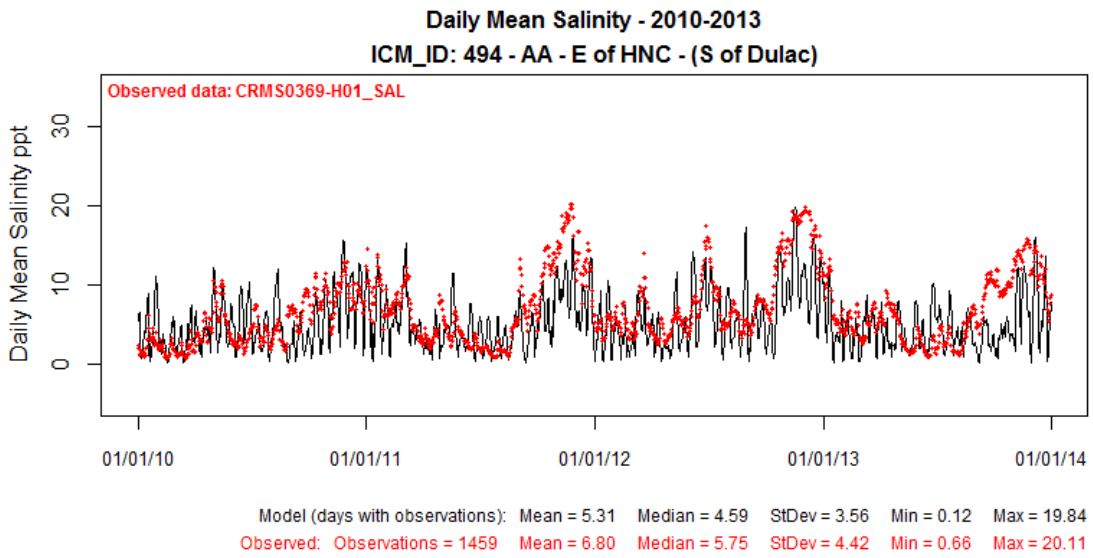

Figure 211: Modeled Salinity (ppt) at ICM Compartment 494 (solid black line) Compared to Observed Data at CRMS0369-H01 for Calibration Period, 2010-2013.

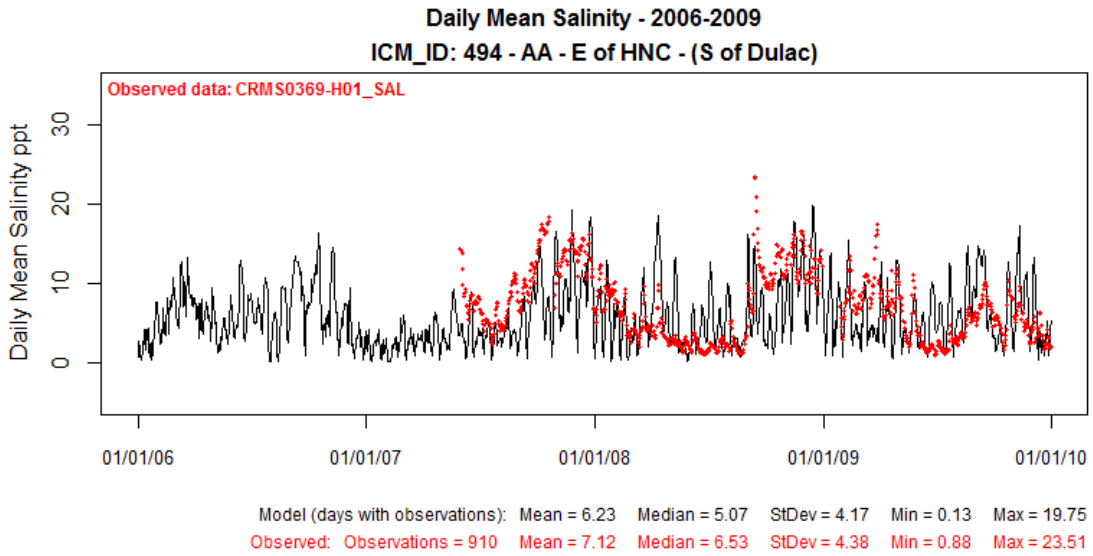

Figure 212: Modeled Salinity (ppt) at ICM Compartment 494 (solid black line) Compared to Observed Data at CRMS0369-H01 for Validation Period, 2006-2009.

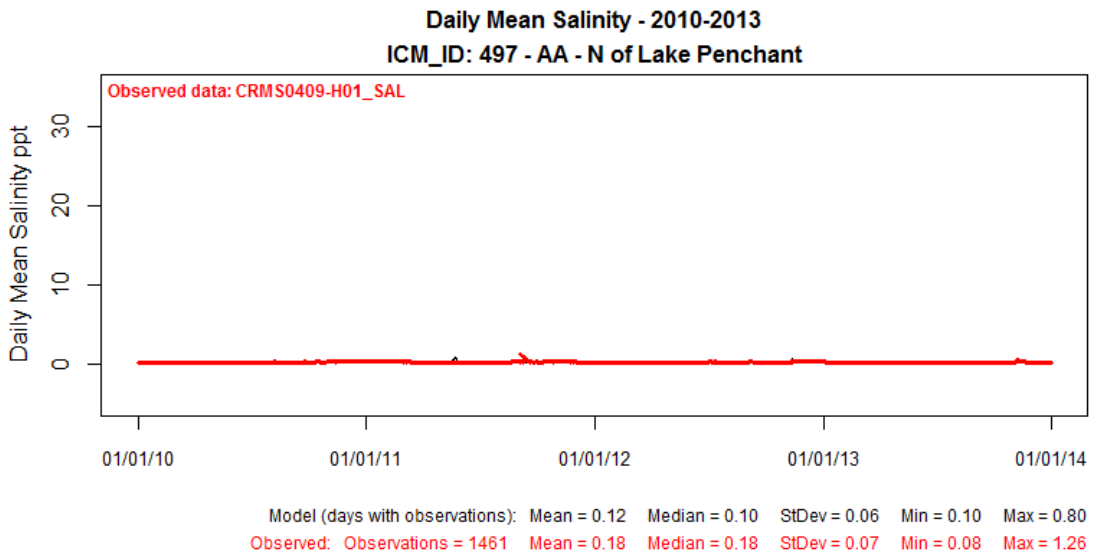

Figure 213: Modeled Salinity (ppt) at ICM Compartment 497 (solid black line) Compared to Observed Data at CRMS0409-H01 for Calibration Period, 2010-2013.

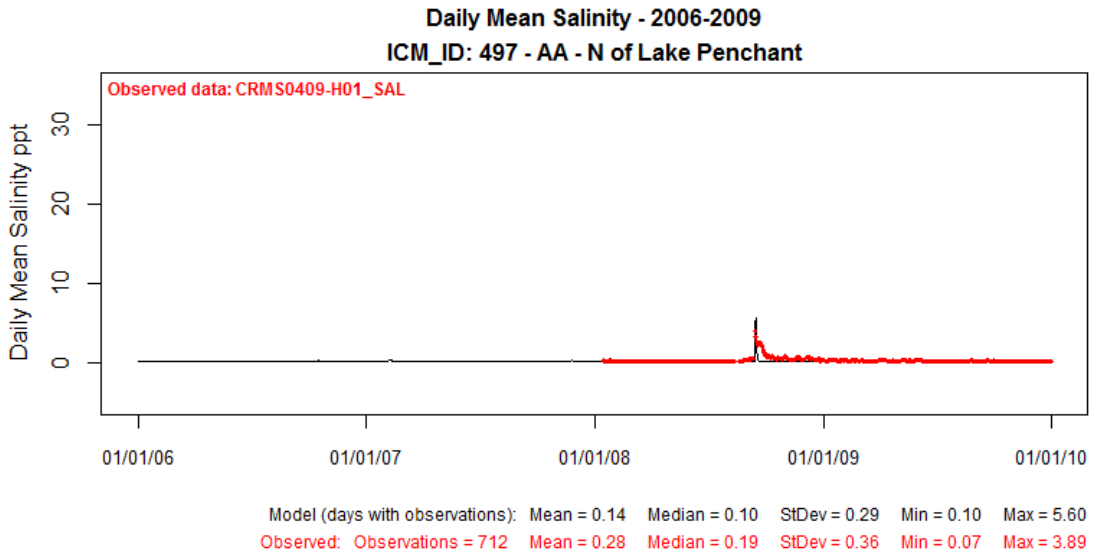

Figure 214: Modeled Salinity (ppt) at ICM Compartment 497 (solid black line) Compared to Observed Data at CRMS0409-H01 for Validation Period, 2006-2009.

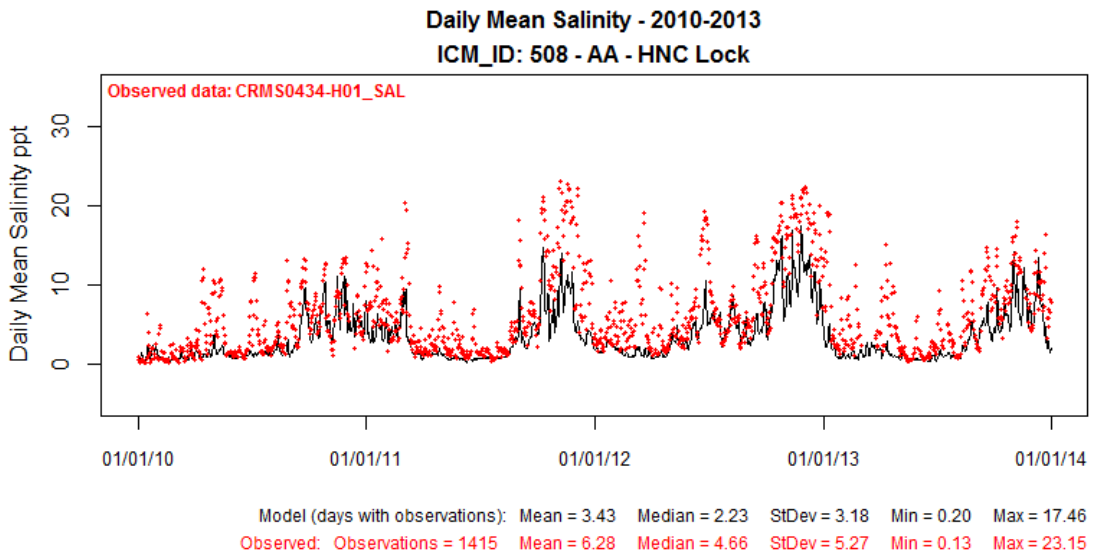

Figure 215: Modeled Salinity (ppt) at ICM Compartment 508 (solid black line) Compared to Observed Data at CRMS0434-H01 for Calibration Period, 2010-2013.

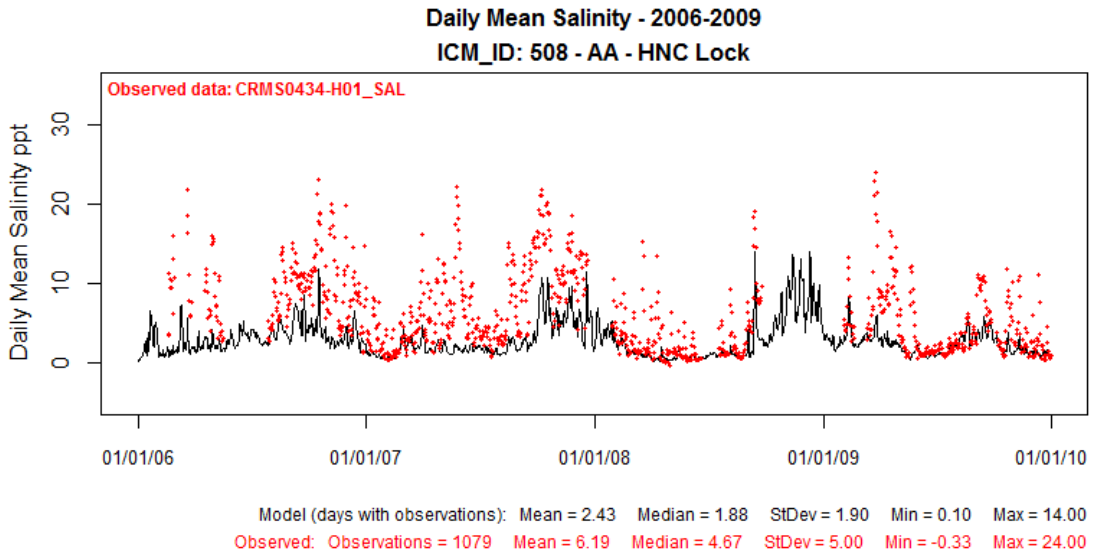

Figure 216: Modeled Salinity (ppt) at ICM Compartment 508 (solid black line) Compared to Observed Data at CRMS0434-H01 for Validation Period, 2006-2009.

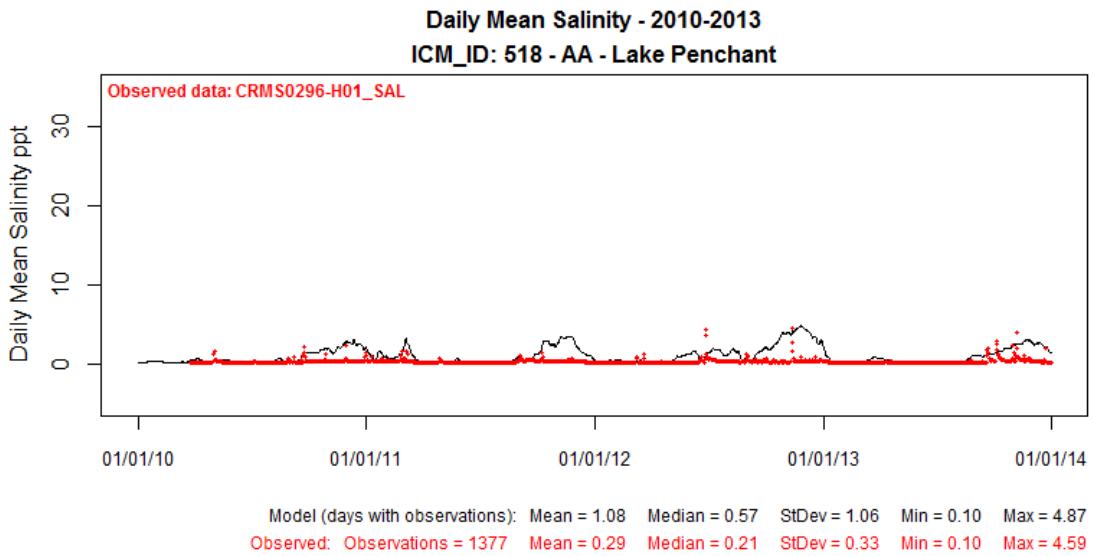

Figure 217: Modeled Salinity (ppt) at ICM Compartment 518 (solid black line) Compared to Observed Data at CRMS0296-H01 for Calibration Period, 2010-2013.

Figure 218: No Validation Figure for ICM Compartment 518.

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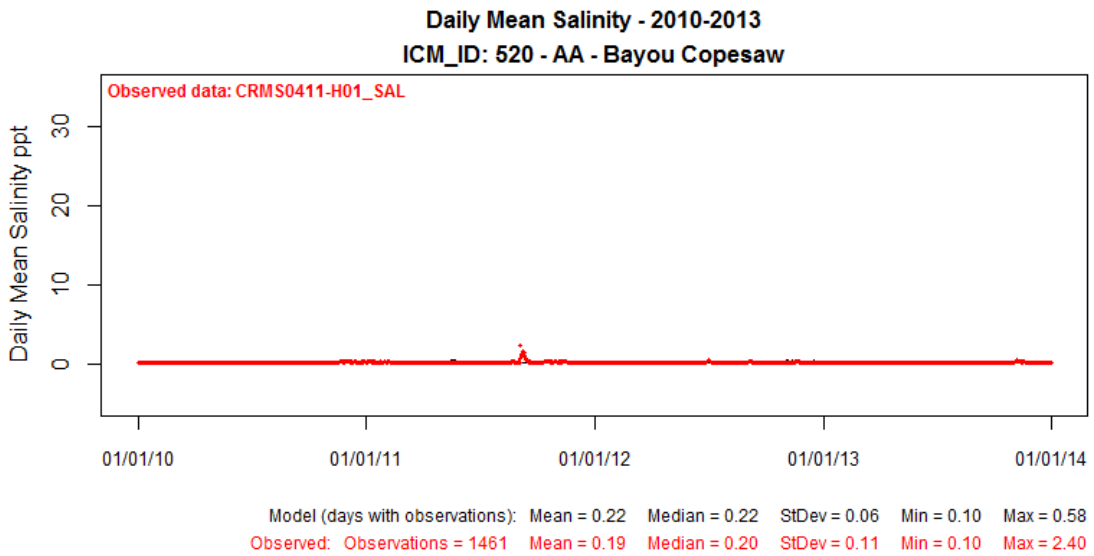

Figure 219: Modeled Salinity (ppt) at ICM Compartment 520 (solid black line) Compared to Observed Data at CRMS0411-H01 for Calibration Period, 2010-2013.

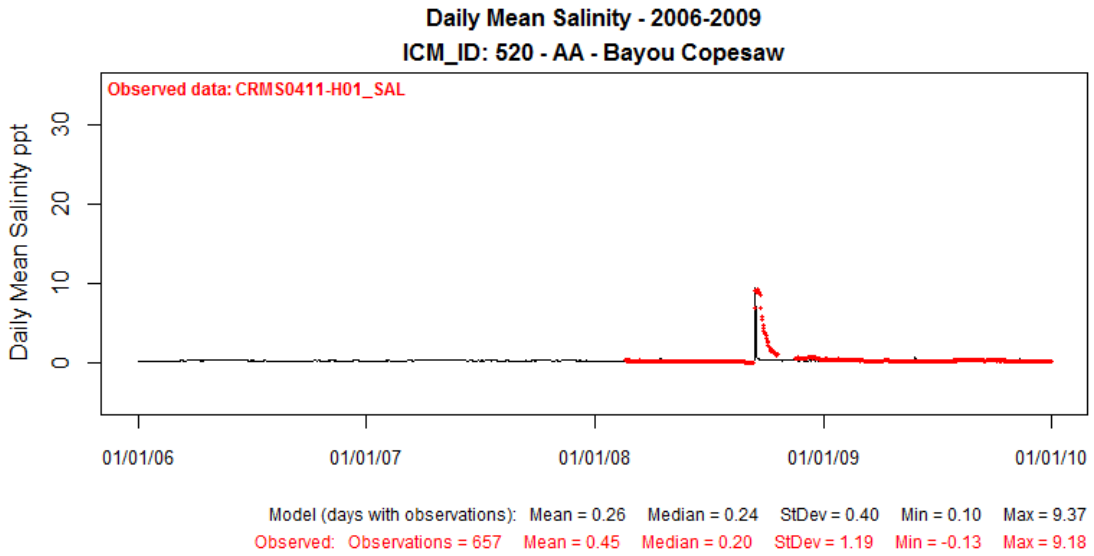

Figure 220: Modeled Salinity (ppt) at ICM Compartment 520 (solid black line) Compared to Observed Data at CRMS0411-H01 for Validation Period, 2006-2009.

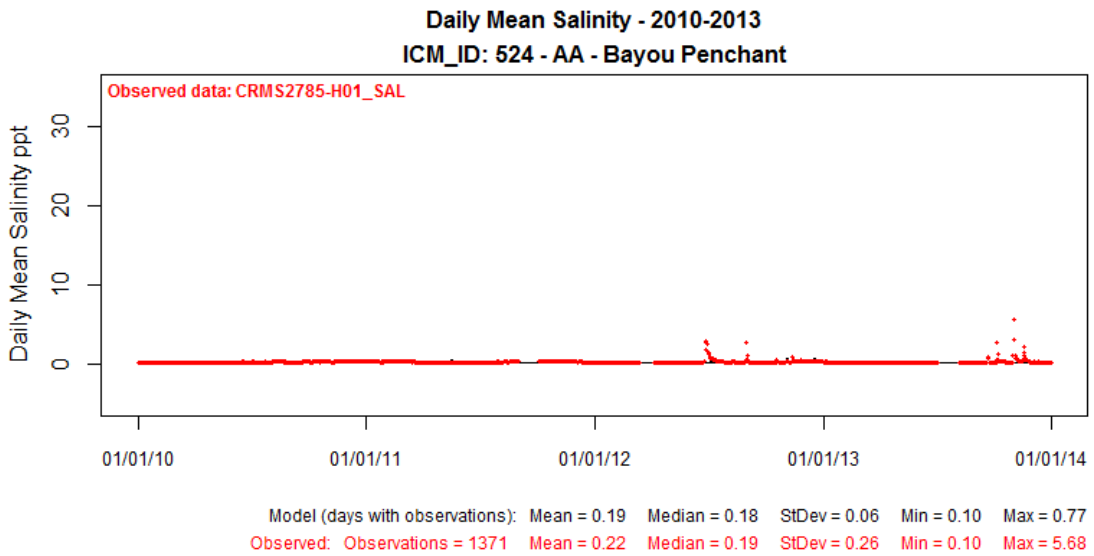

Figure 221: Modeled Salinity (ppt) at ICM Compartment 524 (solid black line) Compared to Observed Data at CRMS2785-H01 for Calibration Period, 2010-2013.

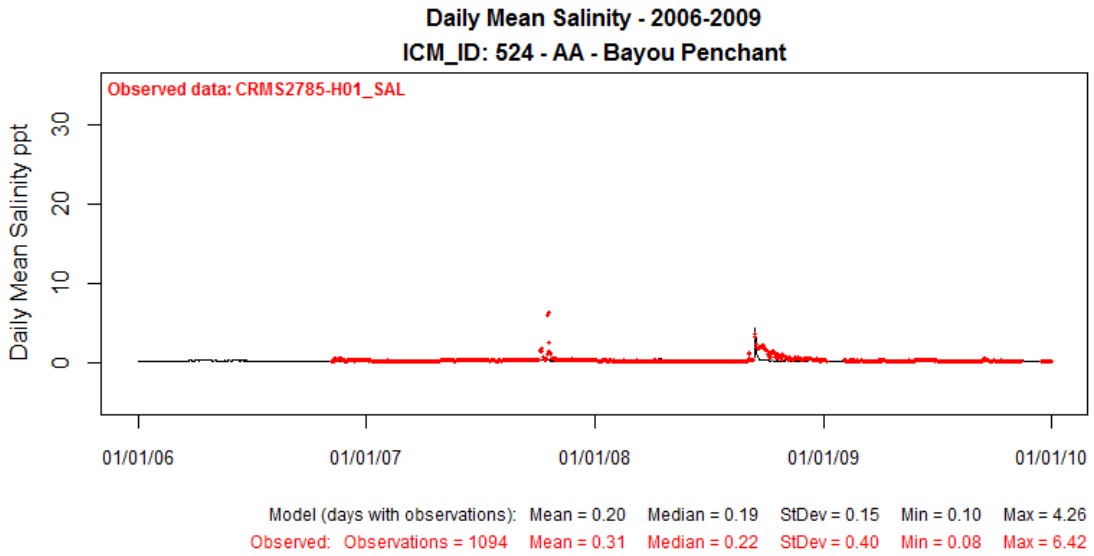

Figure 222: Modeled Salinity (ppt) at ICM Compartment 524 (solid black line) Compared to Observed Data at CRMS2785-H01 for Validation Period, 2006-2009.

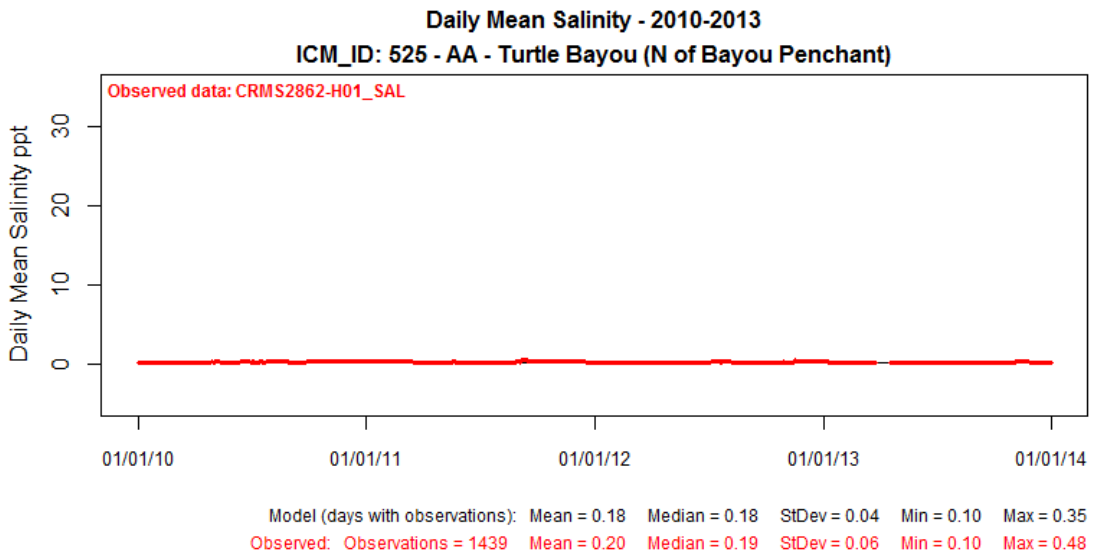

Figure 223: Modeled Salinity (ppt) at ICM Compartment 525 (solid black line) Compared to Observed Data at CRMS2862-H01 for Calibration Period, 2010-2013.

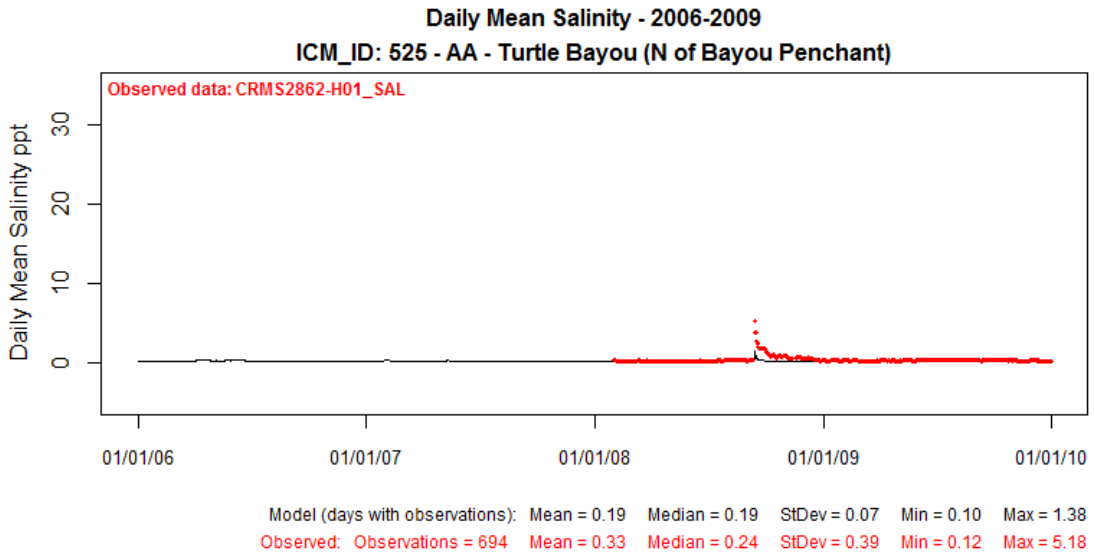

Figure 224: Modeled Salinity (ppt) at ICM Compartment 525 (solid black line) Compared to Observed Data at CRMS2862-H01 for Validation Period, 2006-2009.

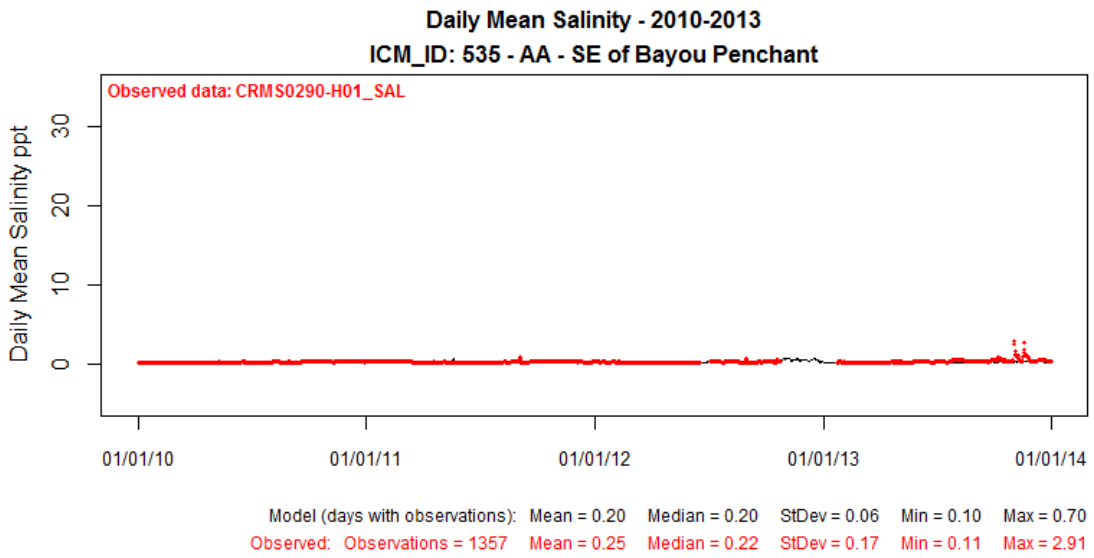

Figure 225: Modeled Salinity (ppt) at ICM Compartment 535 (solid black line) Compared to Observed Data at CRMS0290-H01 for Calibration Period, 2010-2013.

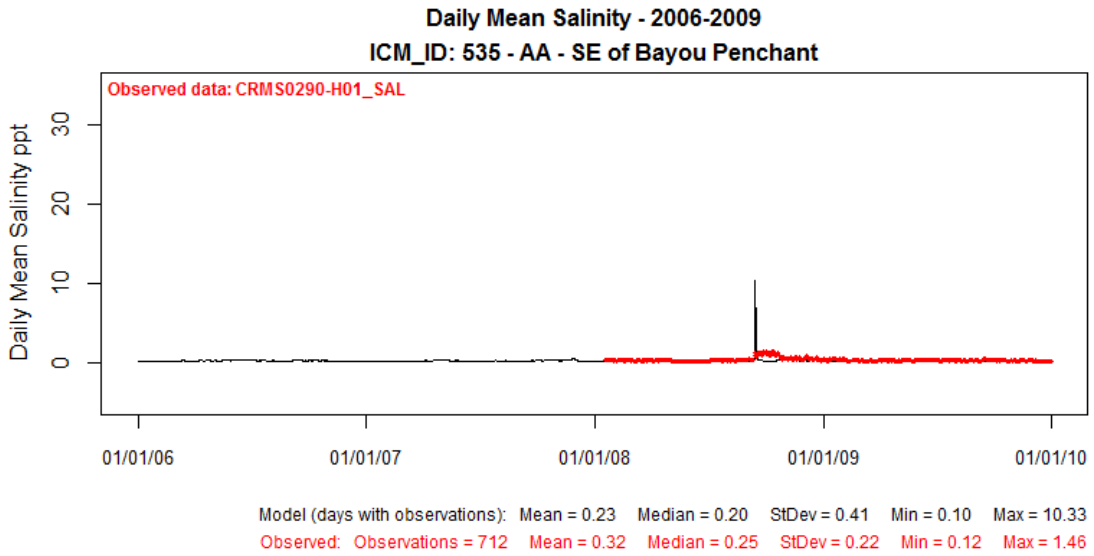

Figure 226: Modeled Salinity (ppt) at ICM Compartment 535 (solid black line) Compared to Observed Data at CRMS0290-H01 for Validation Period, 2006-2009.

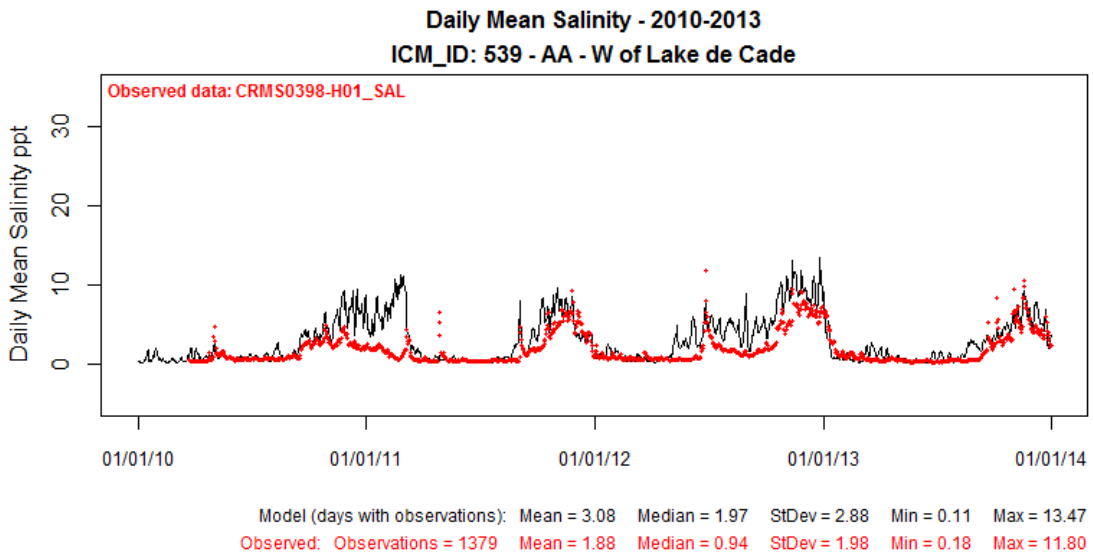

Figure 227: Modeled Salinity (ppt) at ICM Compartment 539 (solid black line) Compared to Observed Data at CRMS0398-H01 for Calibration Period, 2010-2013.

Figure 228: No Validation Figure for ICM Compartment 539.

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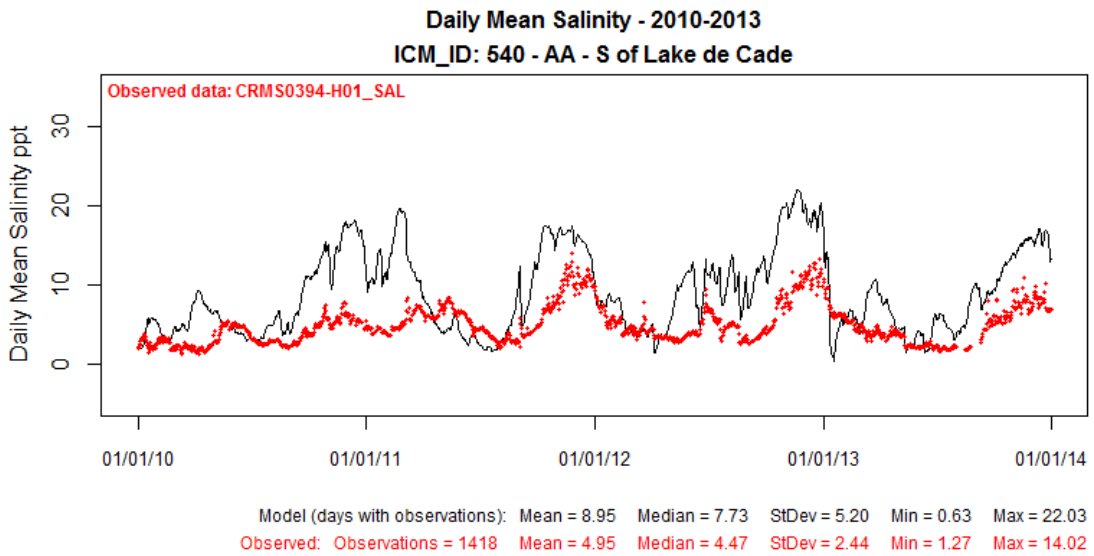

Figure 229: Modeled Salinity (ppt) at ICM Compartment 540 (solid black line) Compared to Observed Data at CRMS0394-H01 for Calibration Period, 2010-2013.

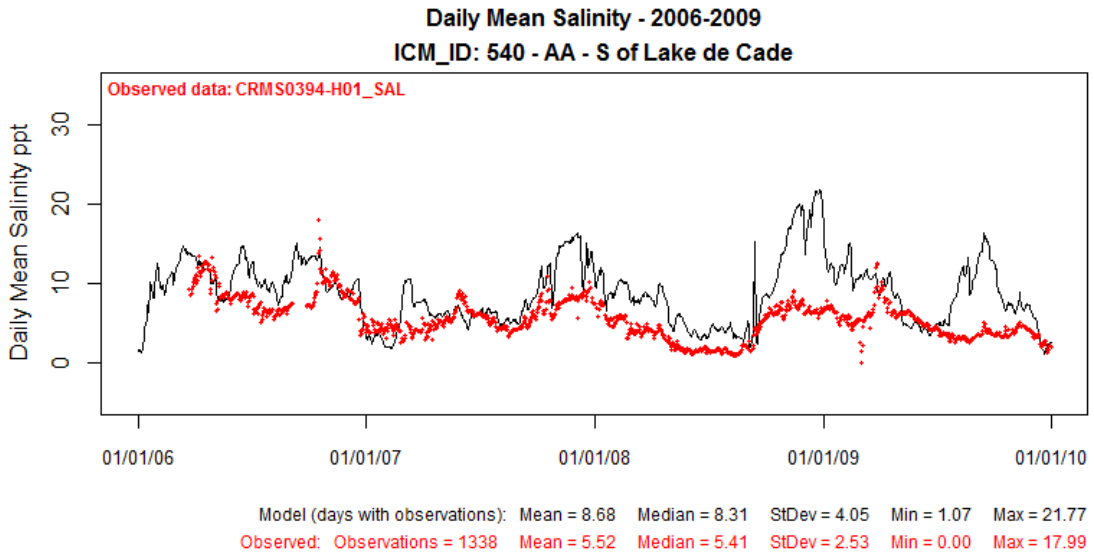

Figure 230: Modeled Salinity (ppt) at ICM Compartment 540 (solid black line) Compared to Observed Data at CRMS0394-H01 for Validation Period, 2006-2009.

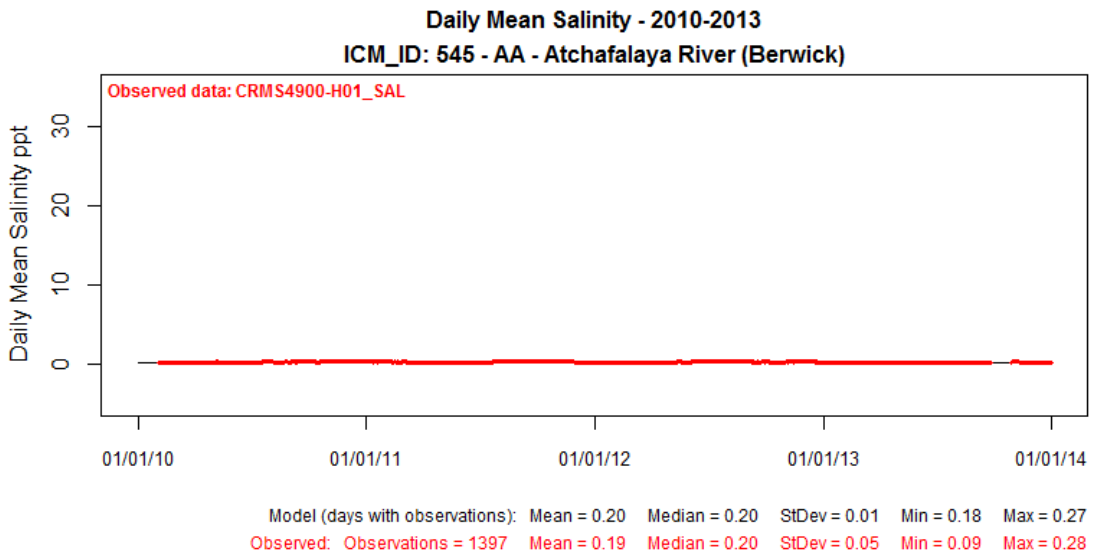

Figure 231: Modeled Salinity (ppt) at ICM Compartment 545 (solid black line) Compared to Observed Data at CRMS4900-H01 for Calibration Period, 2010-2013.

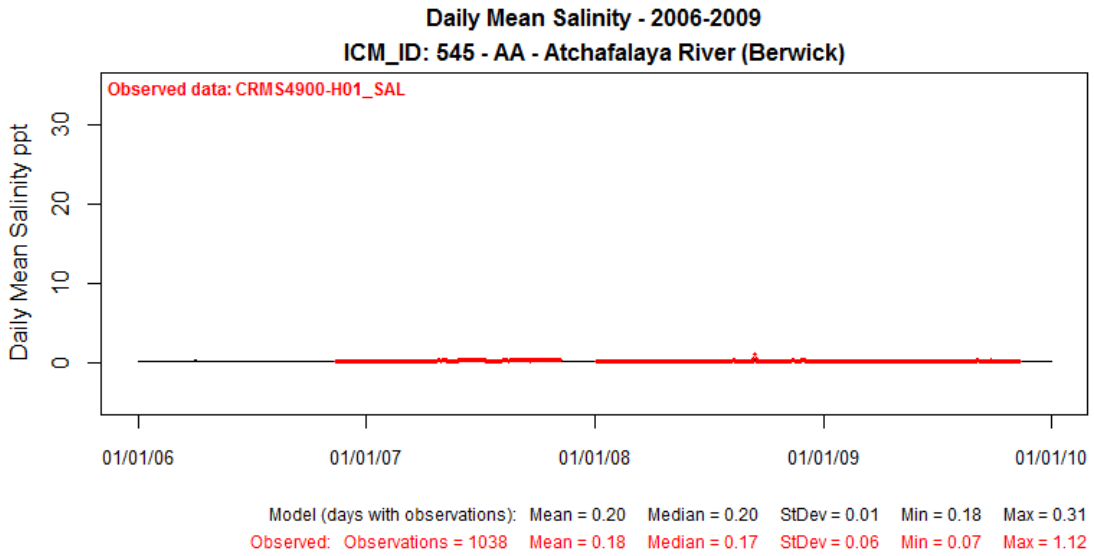

Figure 232: Modeled Salinity (ppt) at ICM Compartment 545 (solid black line) Compared to Observed Data at CRMS4900-H01 for Validation Period, 2006-2009.

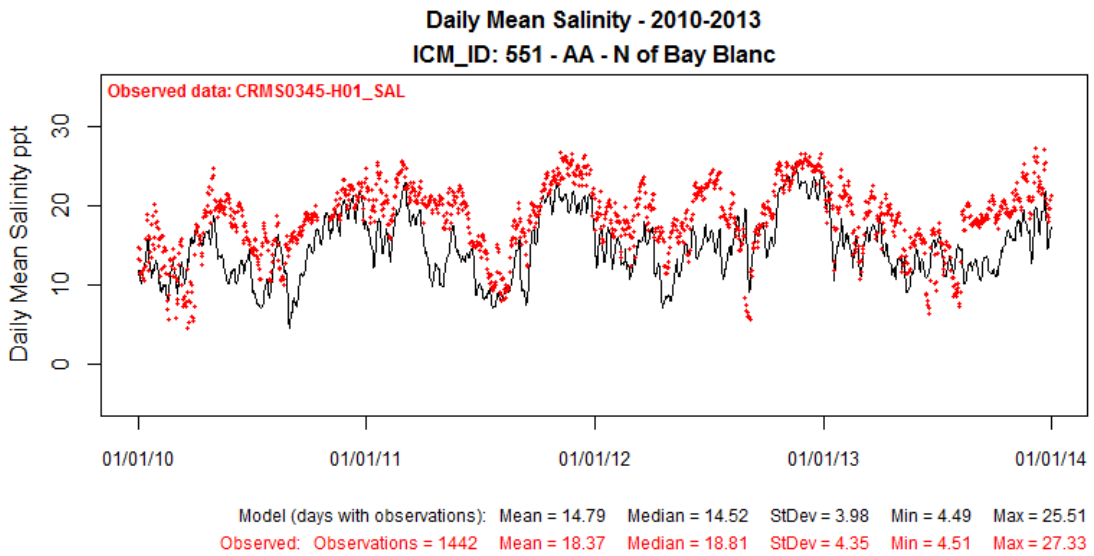

Figure 233: Modeled Salinity (ppt) at ICM Compartment 551 (solid black line) Compared to Observed Data at CRMS0345-H01 for Calibration Period, 2010-2013.

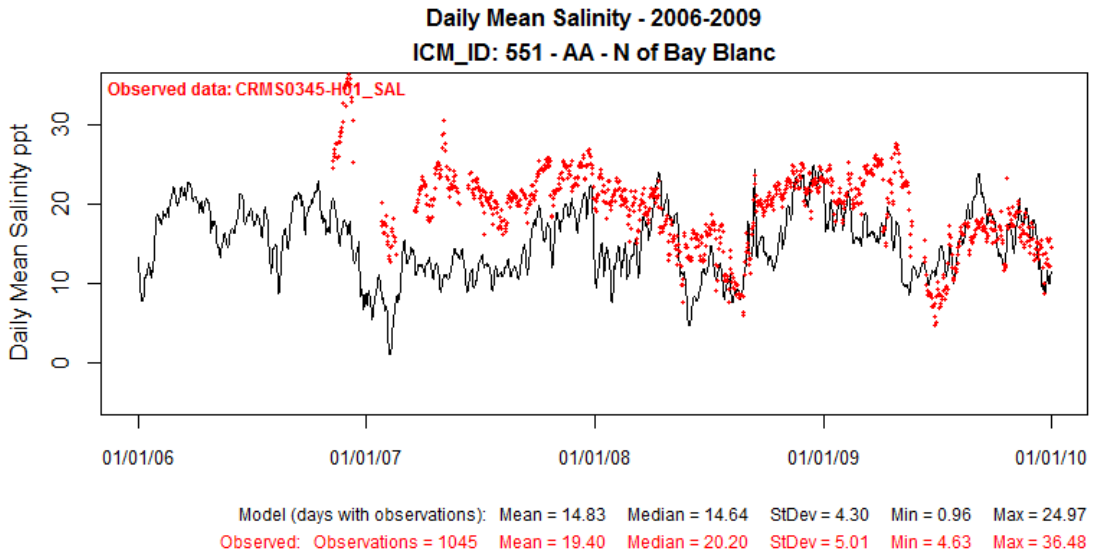

Figure 234: Modeled Salinity (ppt) at ICM Compartment 551 (solid black line) Compared to Observed Data at CRMS0345-H01 for Validation Period, 2006-2009.

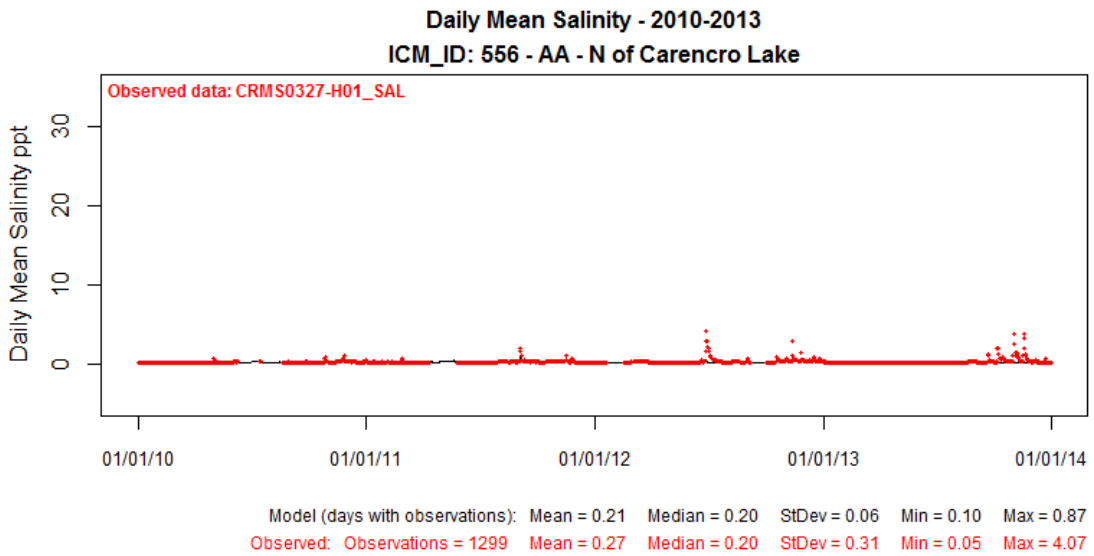

Figure 235: Modeled Salinity (ppt) at ICM Compartment 556 (solid black line) Compared to Observed Data at CRMS0327-H01 for Calibration Period, 2010-2013.

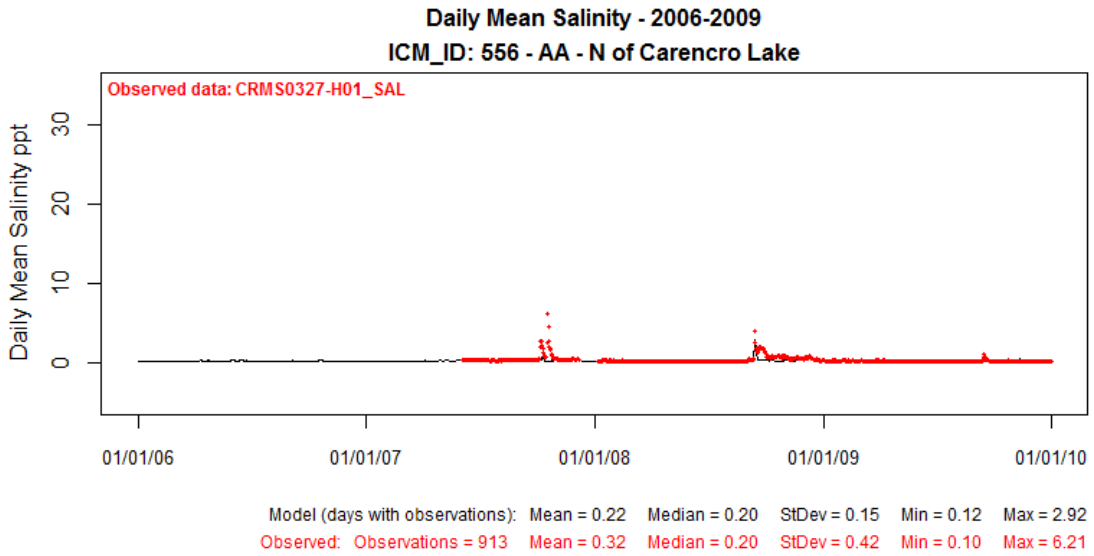

Figure 236: Modeled Salinity (ppt) at ICM Compartment 556 (solid black line) Compared to Observed Data at CRMS0327-H01 for Validation Period, 2006-2009.

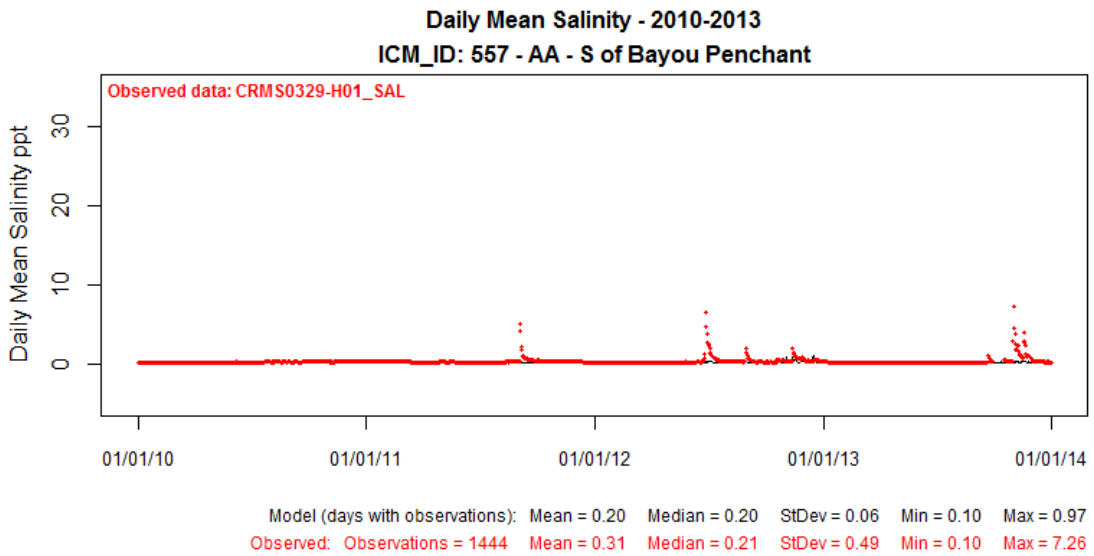

Figure 237: Modeled Salinity (ppt) at ICM Compartment 557 (solid black line) Compared to Observed Data at CRMS0329-H01 for Calibration Period, 2010-2013.

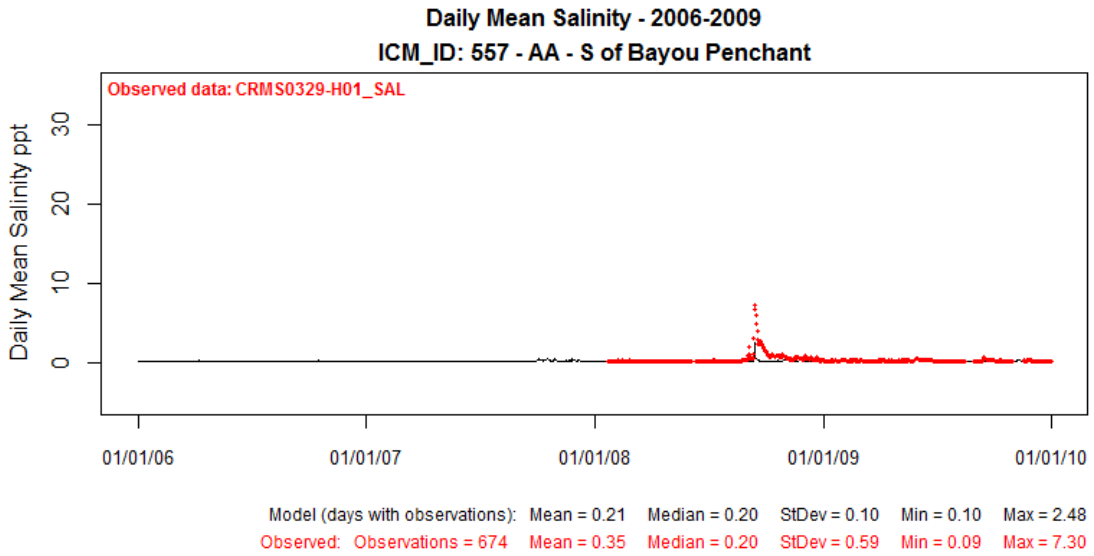

Figure 238: Modeled Salinity (ppt) at ICM Compartment 557 (solid black line) Compared to Observed Data at CRMS0329-H01 for Validation Period, 2006-2009.

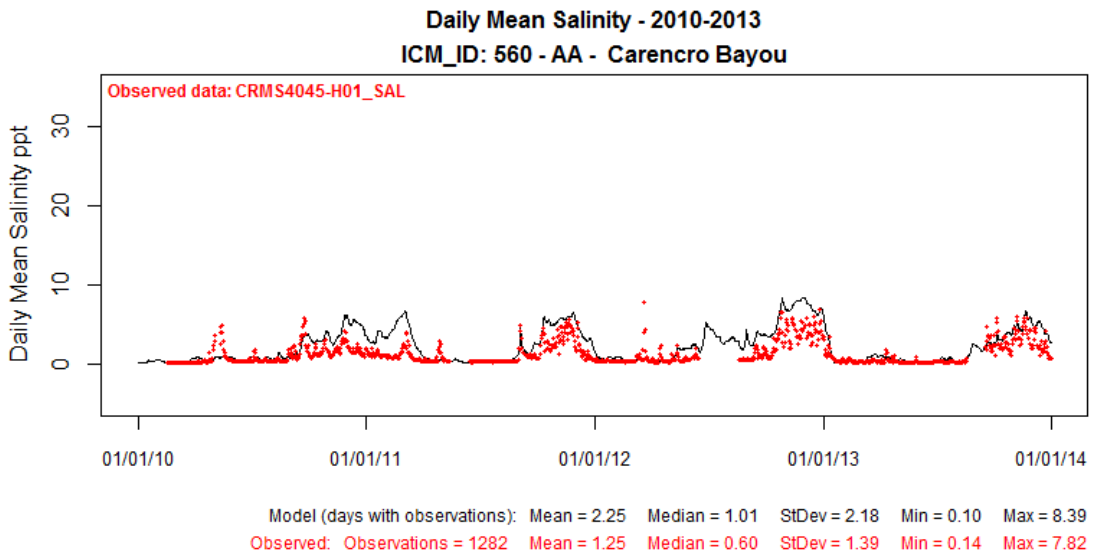

Figure 239: Modeled Salinity (ppt) at ICM Compartment 560 (solid black line) Compared to Observed Data at CRMS4045-H01 for Calibration Period, 2010-2013.

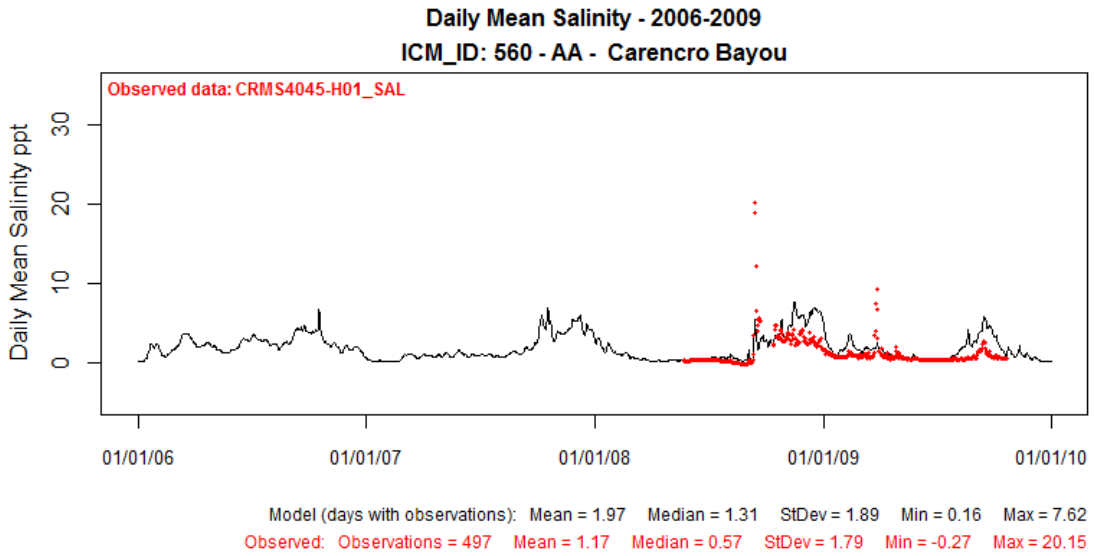

Figure 240: Modeled Salinity (ppt) at ICM Compartment 560 (solid black line) Compared to Observed Data at CRMS4045-H01 for Validation Period, 2006-2009.

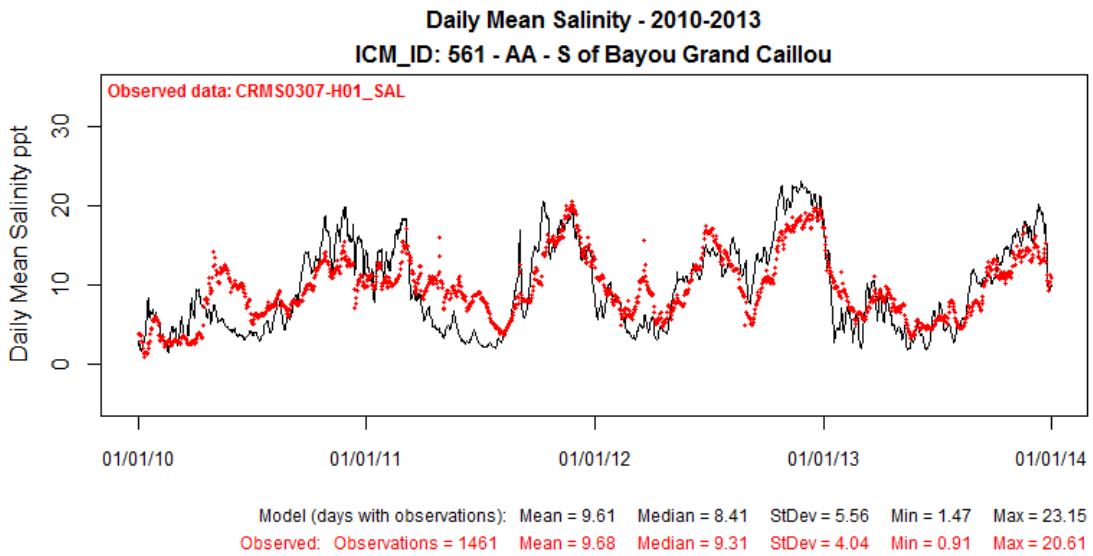

Figure 241: Modeled Salinity (ppt) at ICM Compartment 561 (solid black line) Compared to Observed Data at CRMS0307-H01 for Calibration Period, 2010-2013.

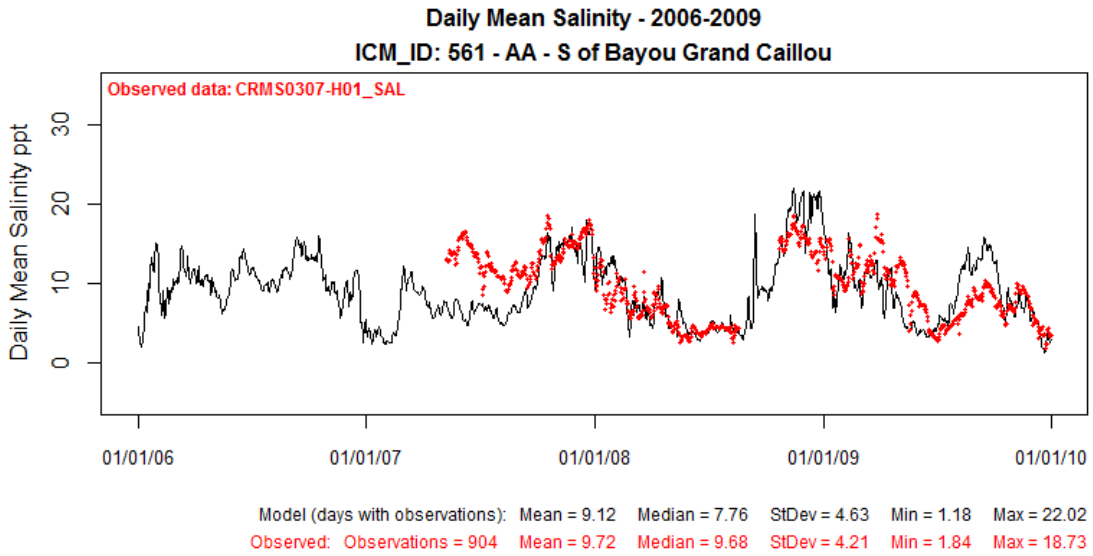

Figure 242: Modeled Salinity (ppt) at ICM Compartment 561 (solid black line) Compared to Observed Data at CRMS0307-H01 for Validation Period, 2006-2009.

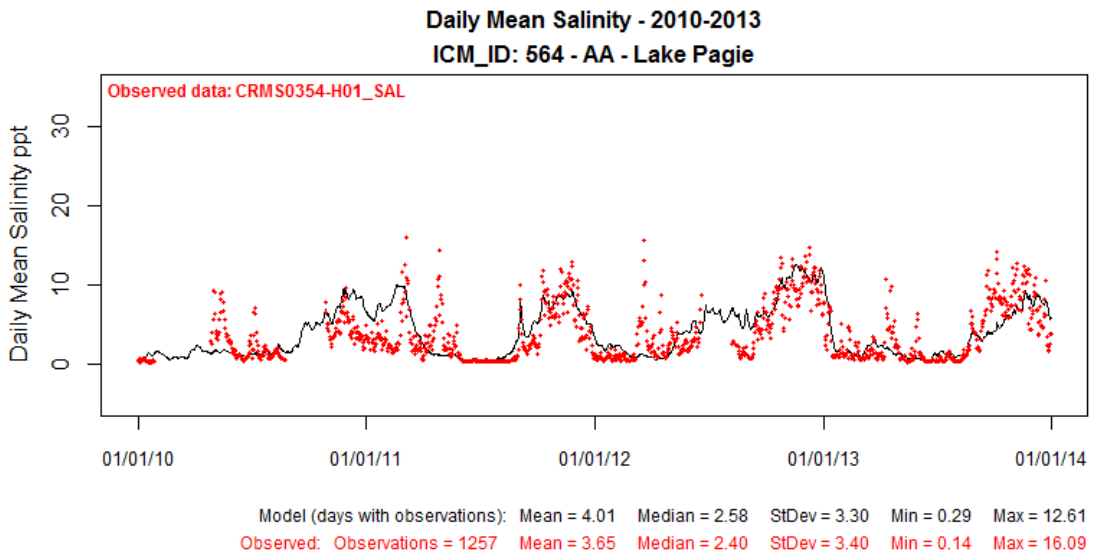

Figure 243: Modeled Salinity (ppt) at ICM Compartment 564 (solid black line) Compared to Observed Data at CRMS0354-H01 for Calibration Period, 2010-2013.

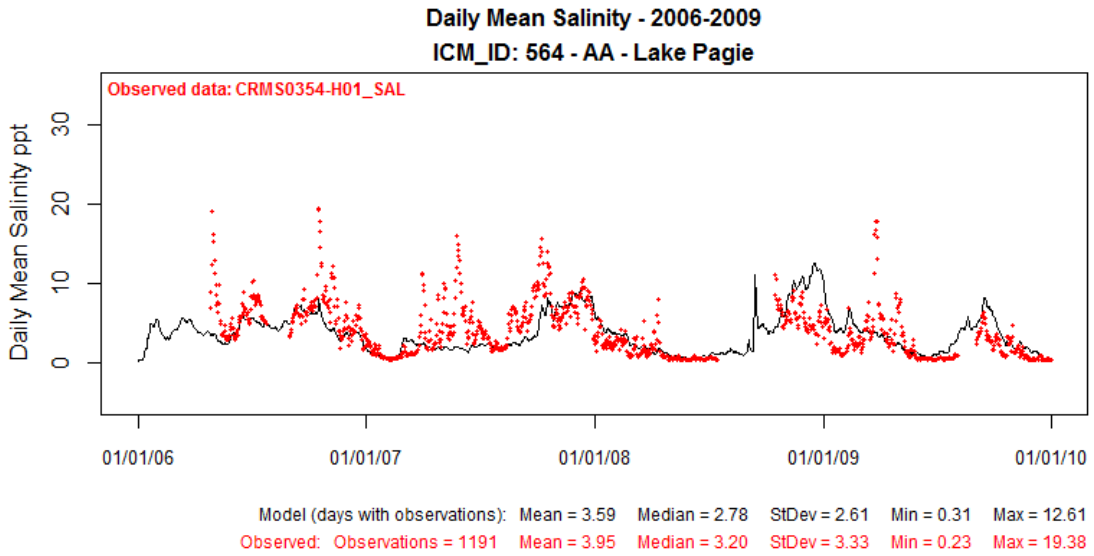

Figure 244: Modeled Salinity (ppt) at ICM Compartment 564 (solid black line) Compared to Observed Data at CRMS0354-H01 for Validation Period, 2006-2009.

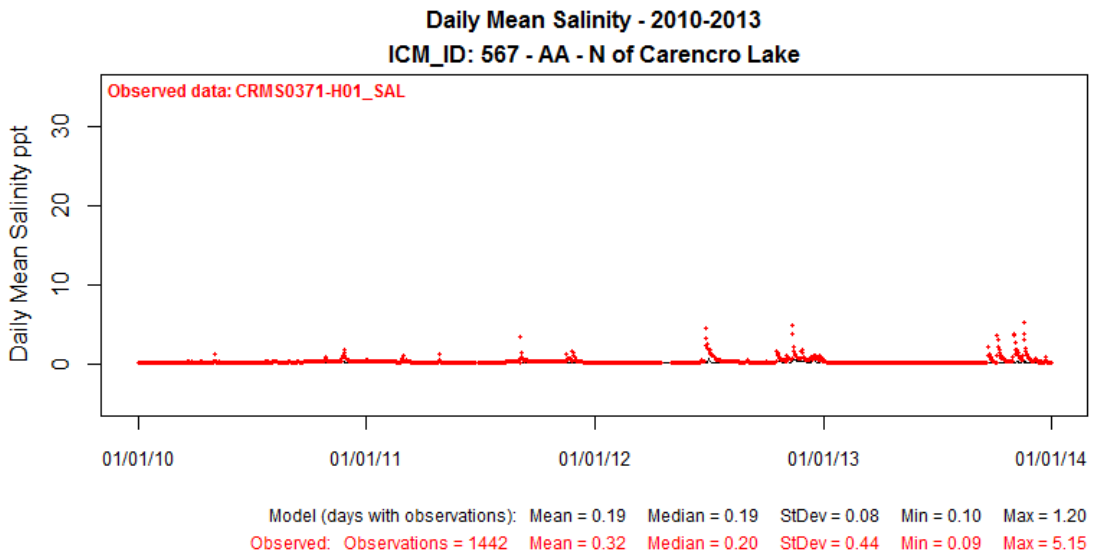

Figure 245: Modeled Salinity (ppt) at ICM Compartment 567 (solid black line) Compared to Observed Data at CRMS0371-H01 for Calibration Period, 2010-2013.

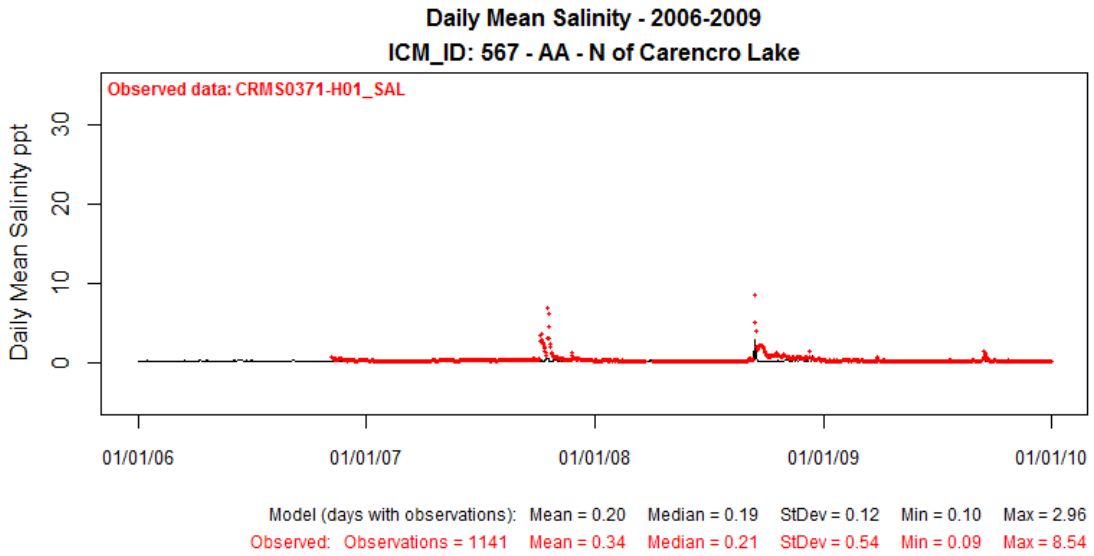

Figure 246: Modeled Salinity (ppt) at ICM Compartment 567 (solid black line) Compared to Observed Data at CRMS0371-H01 for Validation Period, 2006-2009.

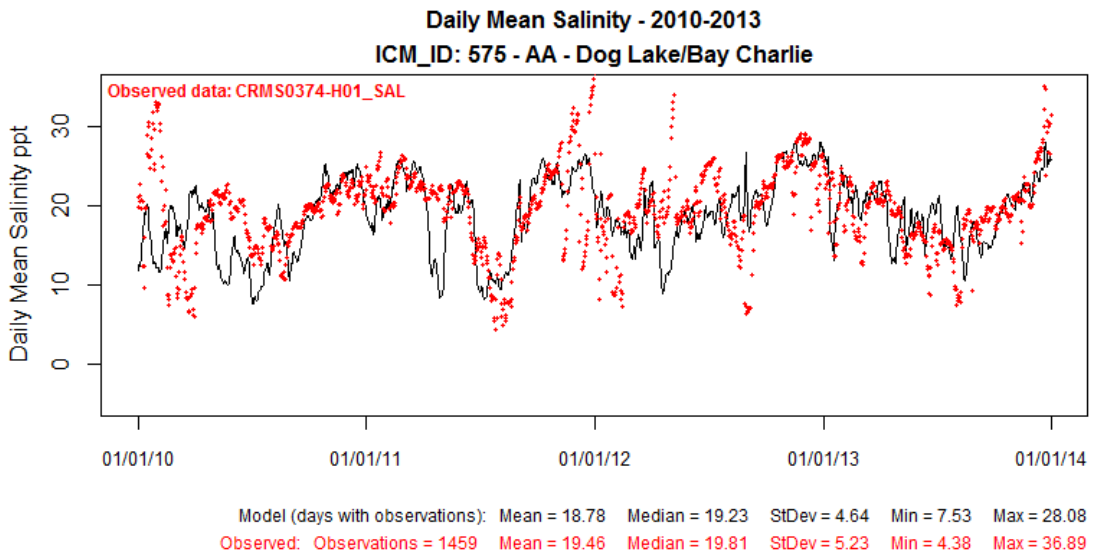

Figure 247: Modeled Salinity (ppt) at ICM Compartment 575 (solid black line) Compared to Observed Data at CRMS0374-H01 for Calibration Period, 2010-2013.

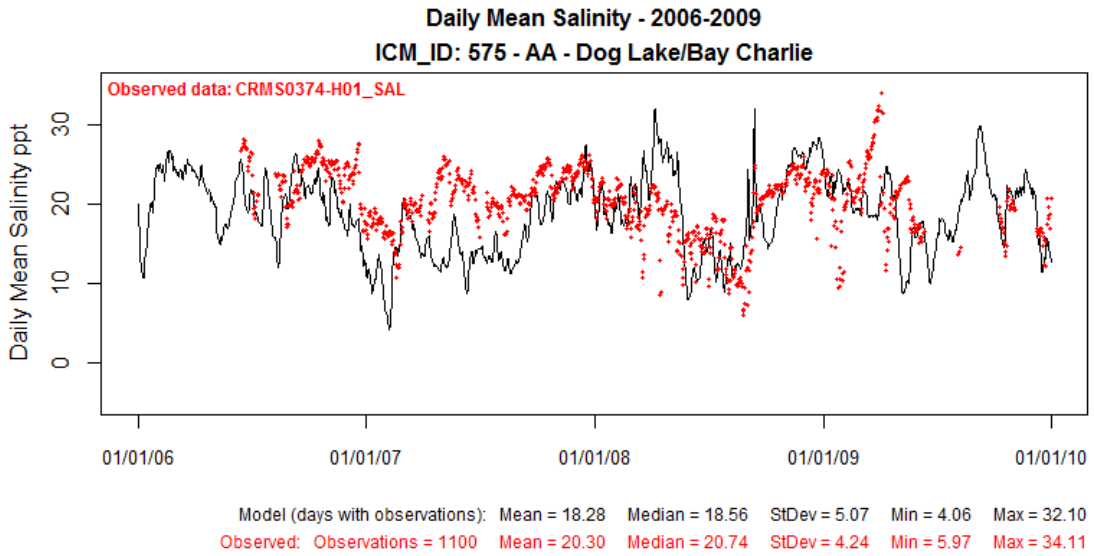

Figure 248: Modeled Salinity (ppt) at ICM Compartment 575 (solid black line) Compared to Observed Data at CRMS0374-H01 for Validation Period, 2006-2009.

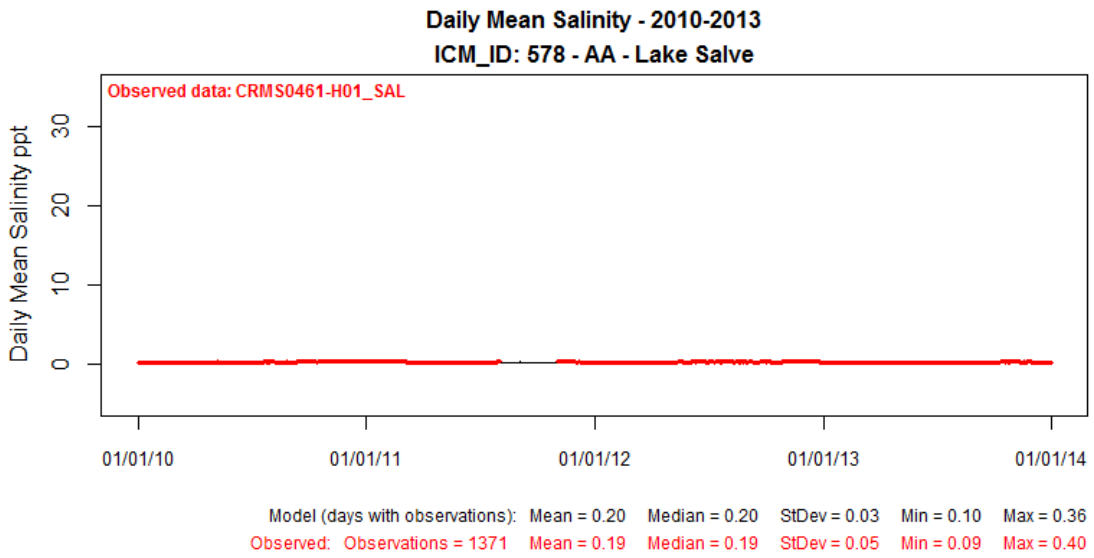

Figure 249: Modeled Salinity (ppt) at ICM Compartment 578 (solid black line) Compared to Observed Data at CRMS0461-H01 for Calibration Period, 2010-2013.

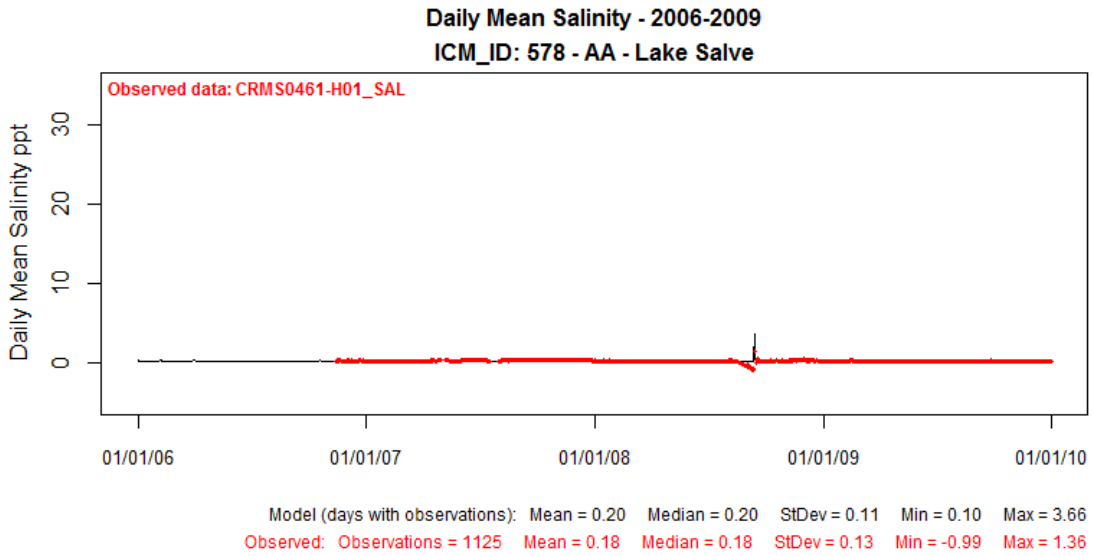

Figure 250: Modeled Salinity (ppt) at ICM Compartment 578 (solid black line) Compared to Observed Data at CRMS0461-H01 for Validation Period, 2006-2009.

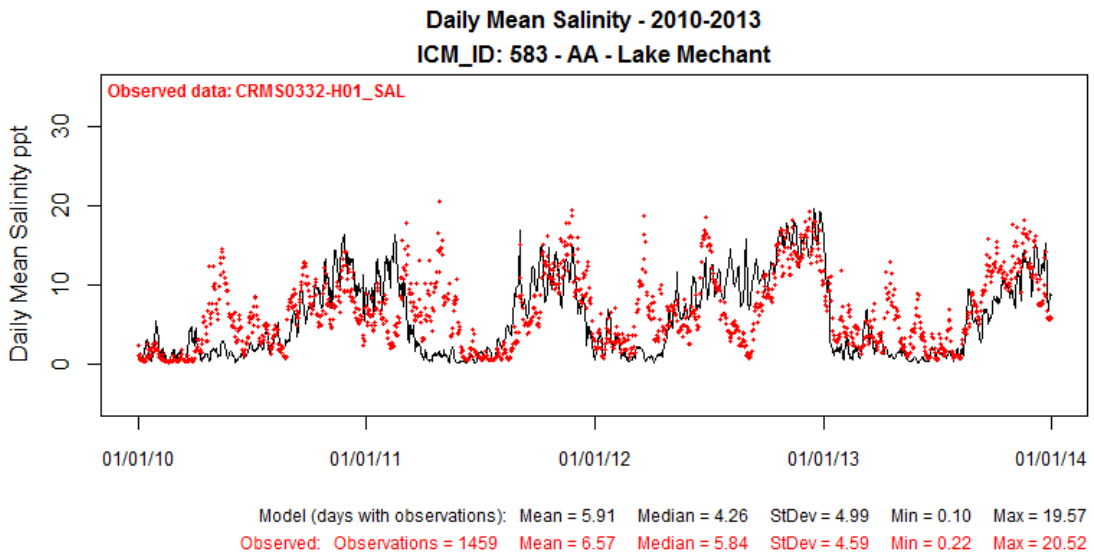

Figure 251: Modeled Salinity (ppt) at ICM Compartment 583 (solid black line) Compared to Observed Data at CRMS0332-H01 for Calibration Period, 2010-2013.

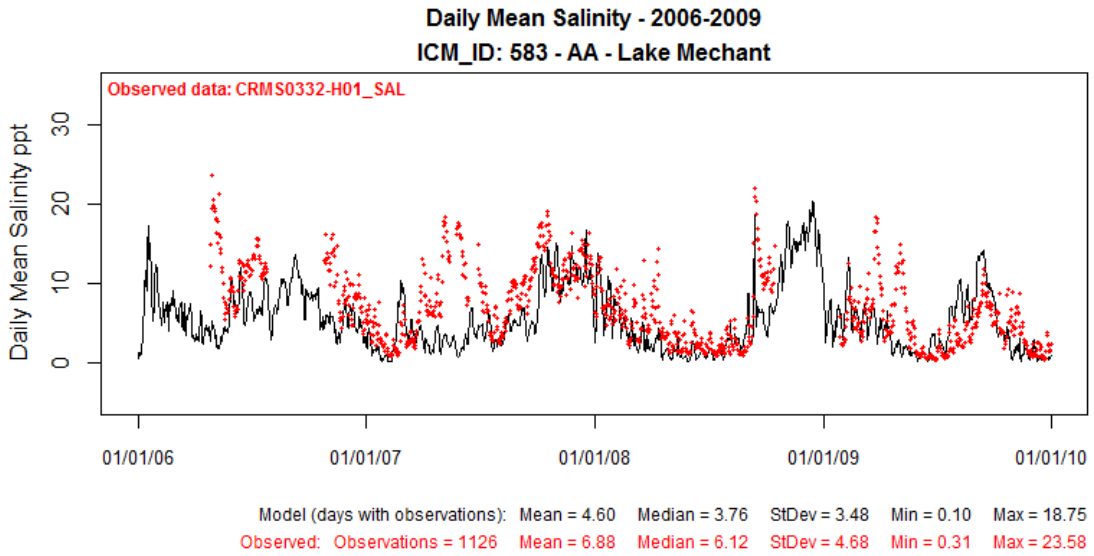

Figure 252: Modeled Salinity (ppt) at ICM Compartment 583 (solid black line) Compared to Observed Data at CRMS0332-H01 for Validation Period, 2006-2009.

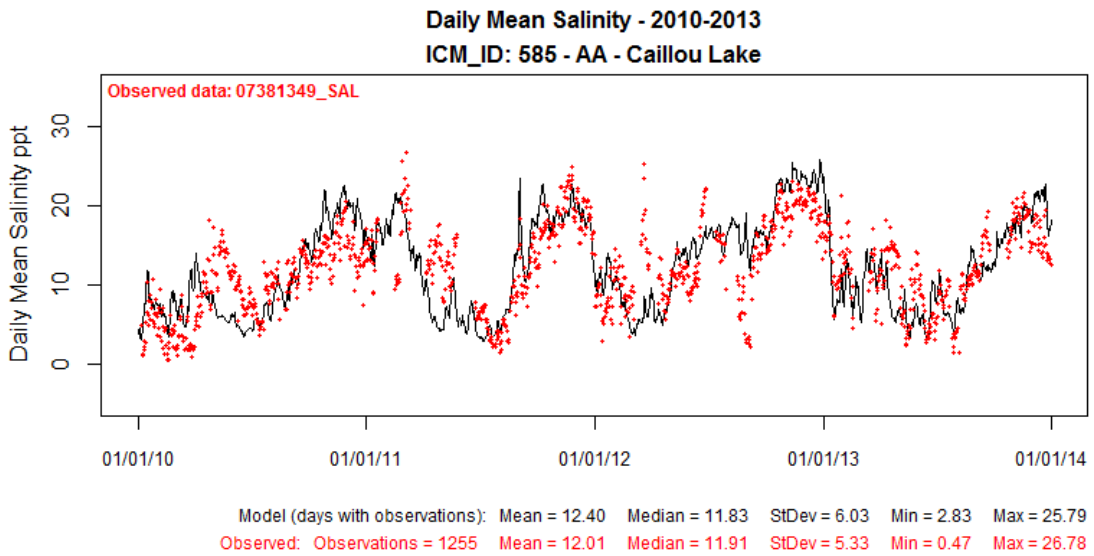

Figure 253: Modeled Salinity (ppt) at ICM Compartment 585 (solid black line) Compared to Observed Data at USGS07381349 for Calibration Period, 2010-2013.

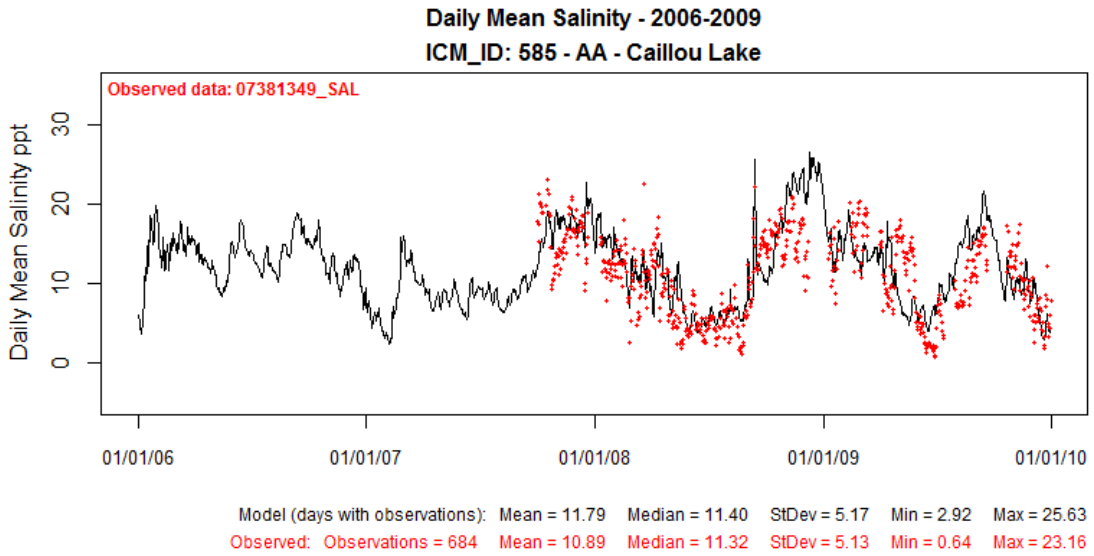

Figure 254: Modeled Salinity (ppt) at ICM Compartment 585 (solid black line) Compared to Observed Data at USGS07381349 for Validation Period, 2006-2009.

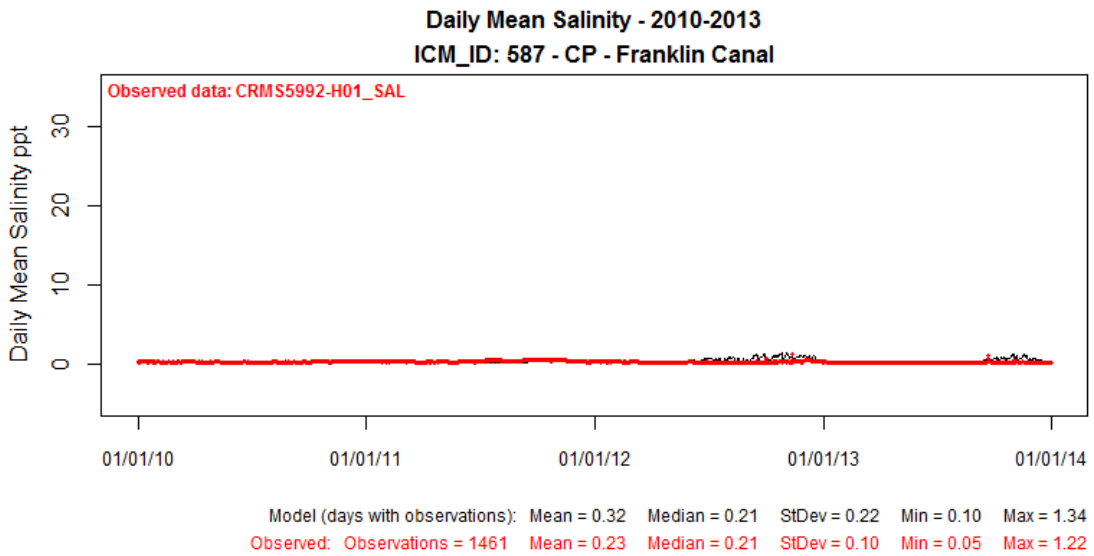

Figure 255: Modeled Salinity (ppt) at ICM Compartment 587 (solid black line) Compared to Observed Data at CRMS5992-H01 for Calibration Period, 2010-2013.

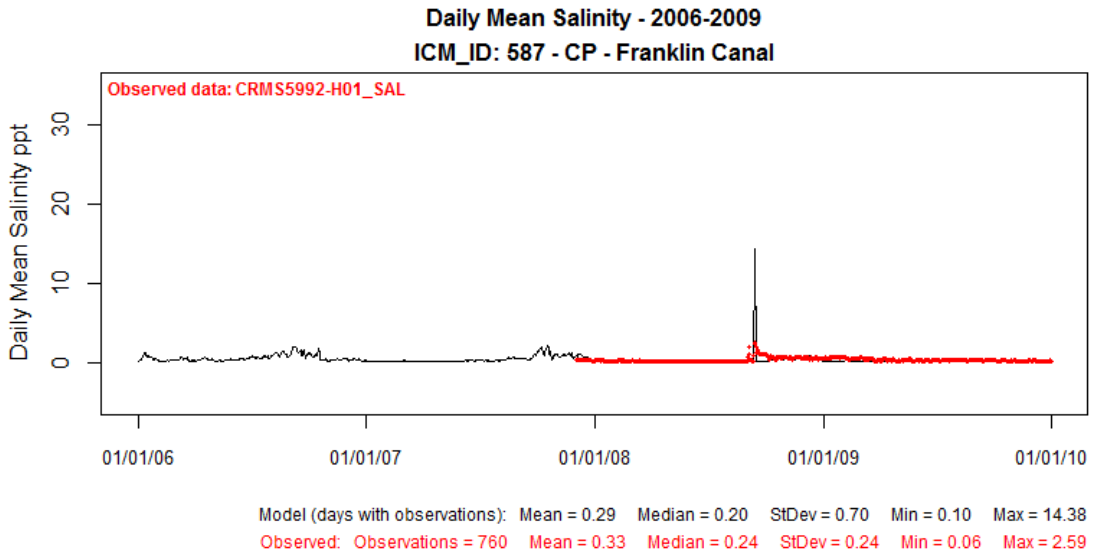

Figure 256: Modeled Salinity (ppt) at ICM Compartment 587 (solid black line) Compared to Observed Data at CRMS5992-H01 for Validation Period, 2006-2009.

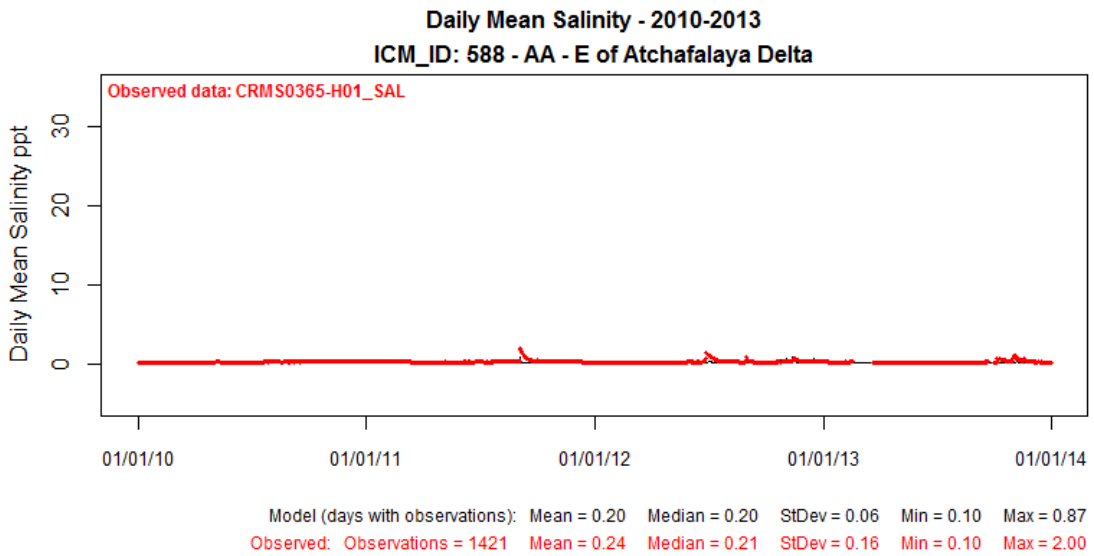

Figure 257: Modeled Salinity (ppt) at ICM Compartment 588 (solid black line) Compared to Observed Data at CRMS0365-H01 for Calibration Period, 2010-2013.

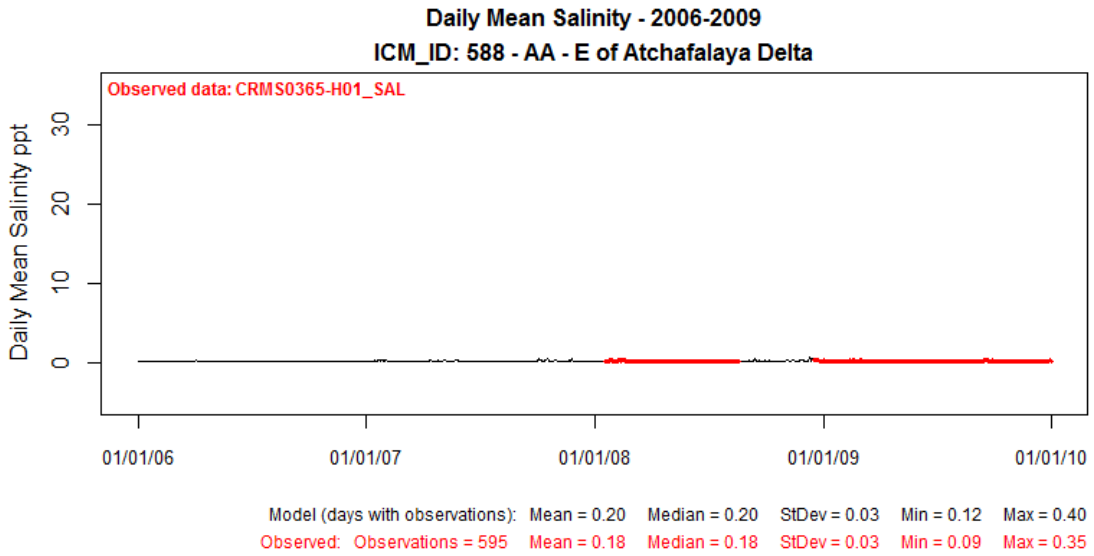

Figure 258: Modeled Salinity (ppt) at ICM Compartment 588 (solid black line) Compared to Observed Data at CRMS0365-H01 for Validation Period, 2006-2009.

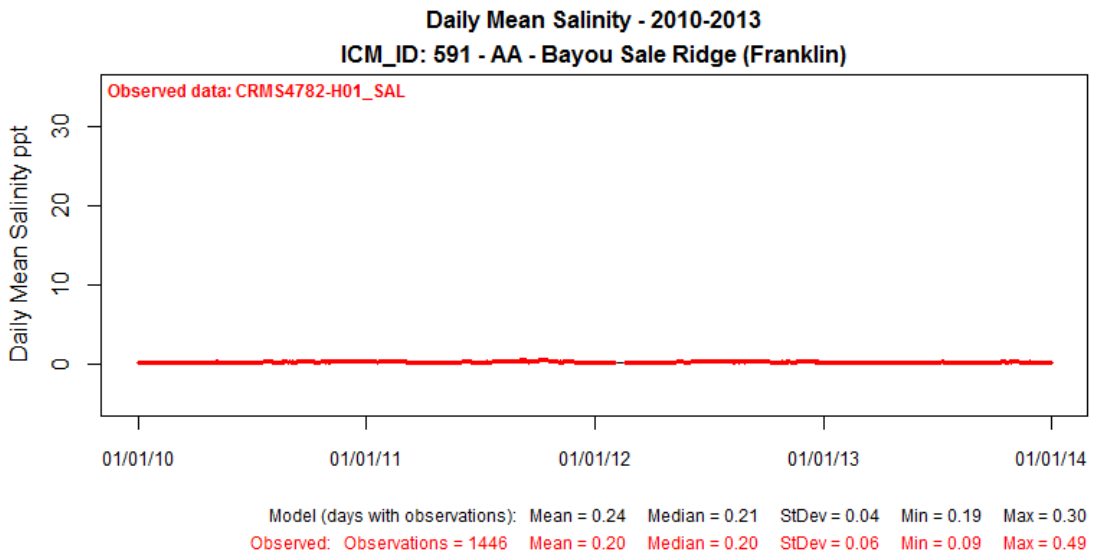

Figure 259: Modeled Salinity (ppt) at ICM Compartment 591 (solid black line) Compared to Observed Data at CRMS4782-H01 for Calibration Period, 2010-2013.

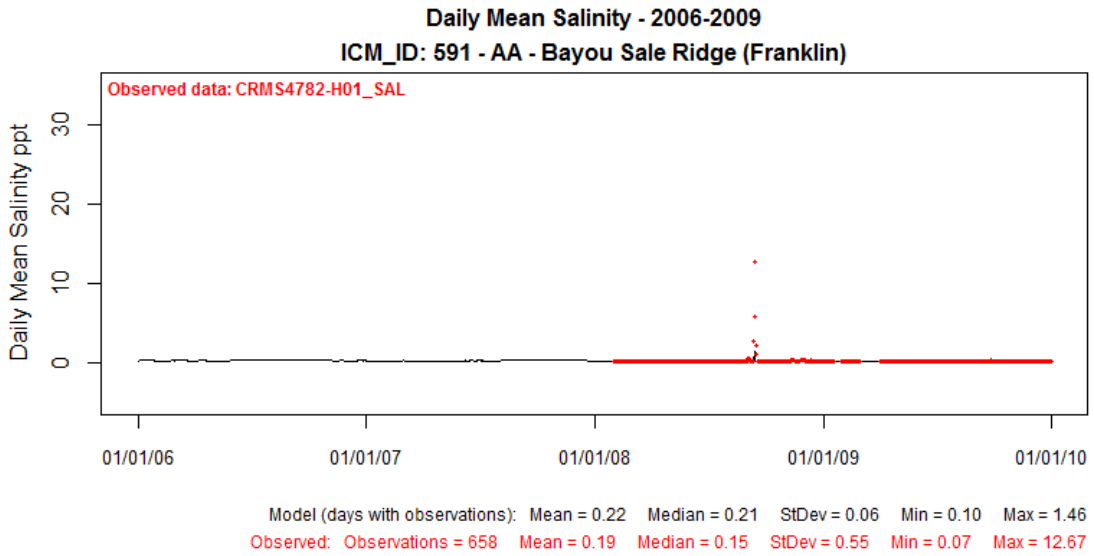

Figure 260: Modeled Salinity (ppt) at ICM Compartment 591 (solid black line) Compared to Observed Data at CRMS4782-H01 for Validation Period, 2006-2009.

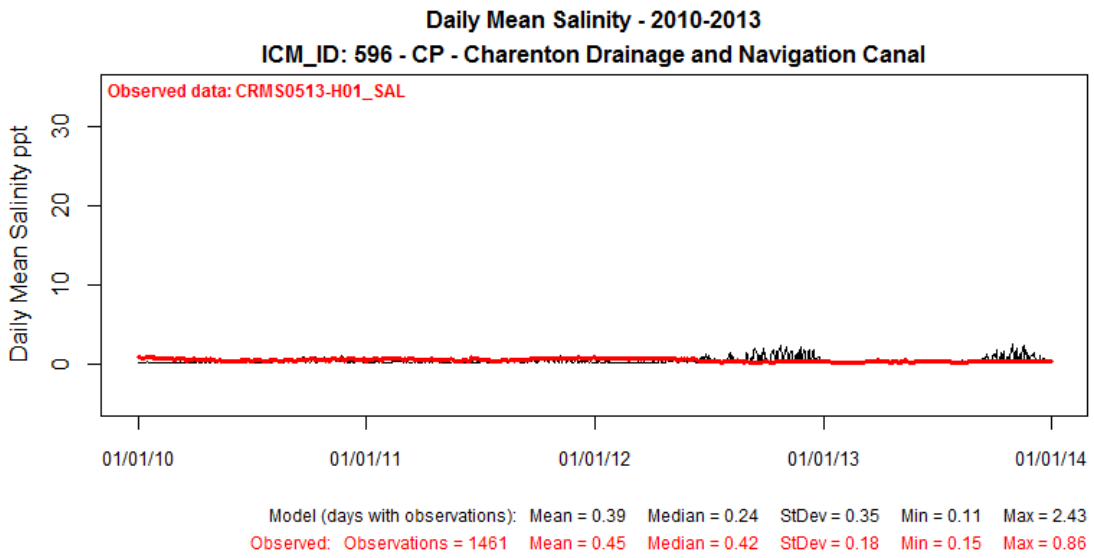

Figure 261: Modeled Salinity (ppt) at ICM Compartment 596 (solid black line) Compared to Observed Data at CRMS0513-H01 for Calibration Period, 2010-2013.

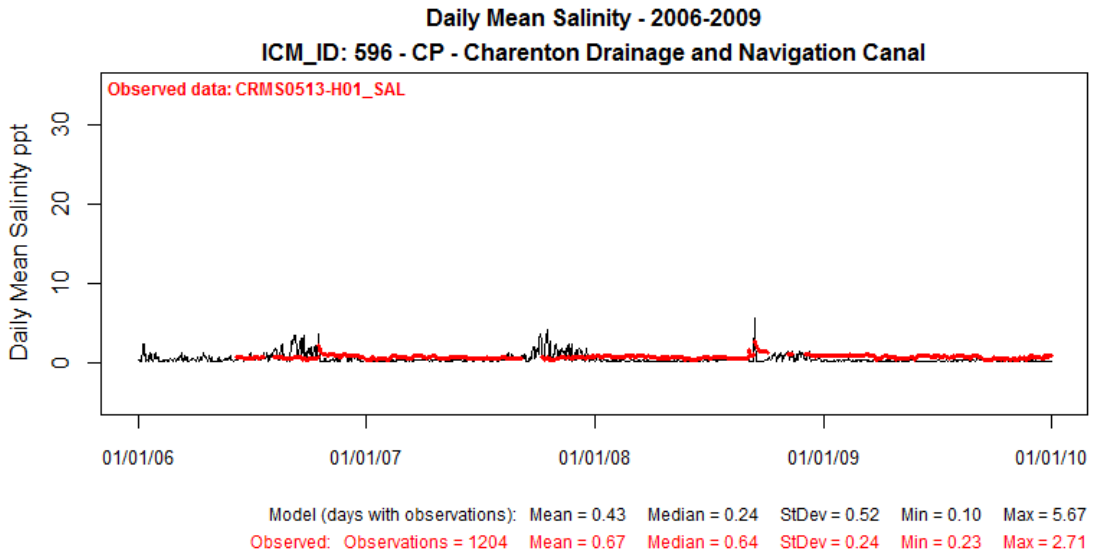

Figure 262: Modeled Salinity (ppt) at ICM Compartment 596 (solid black line) Compared to Observed Data at CRMS0513-H01 for Validation Period, 2006-2009.

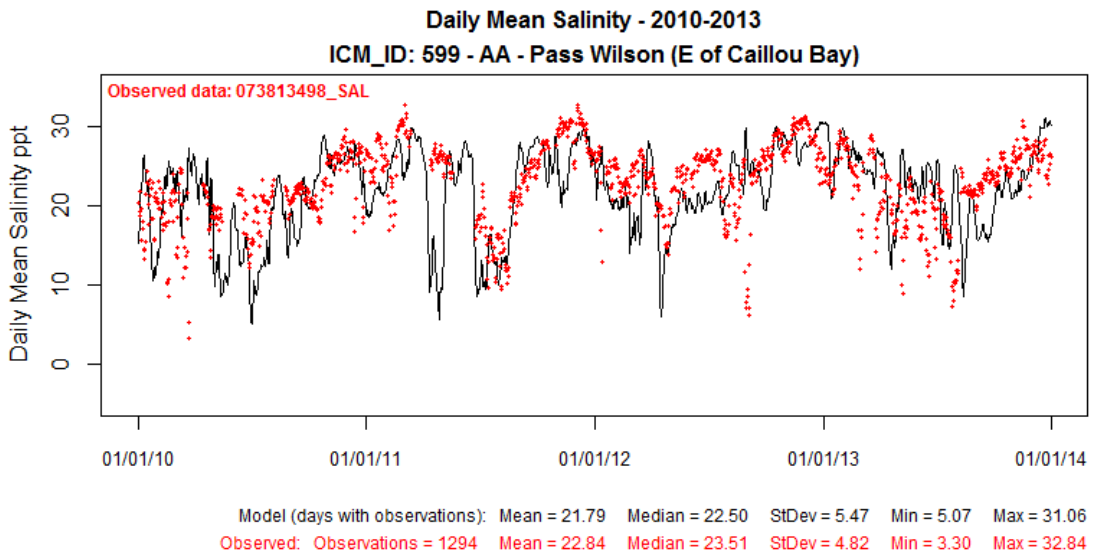

Figure 263: Modeled Salinity (ppt) at ICM Compartment 599 (solid black line) Compared to Observed Data at USGS073813498 for Calibration Period, 2010-2013.

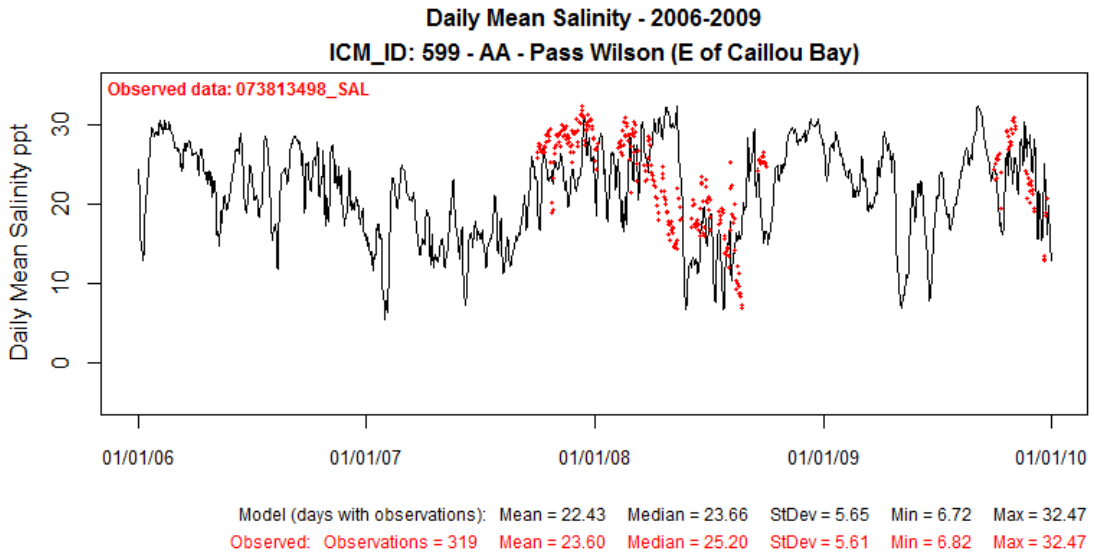

Figure 264: Modeled Salinity (ppt) at ICM Compartment 599 (solid black line) Compared to Observed Data at USGS073813498 for Validation Period, 2006-2009.

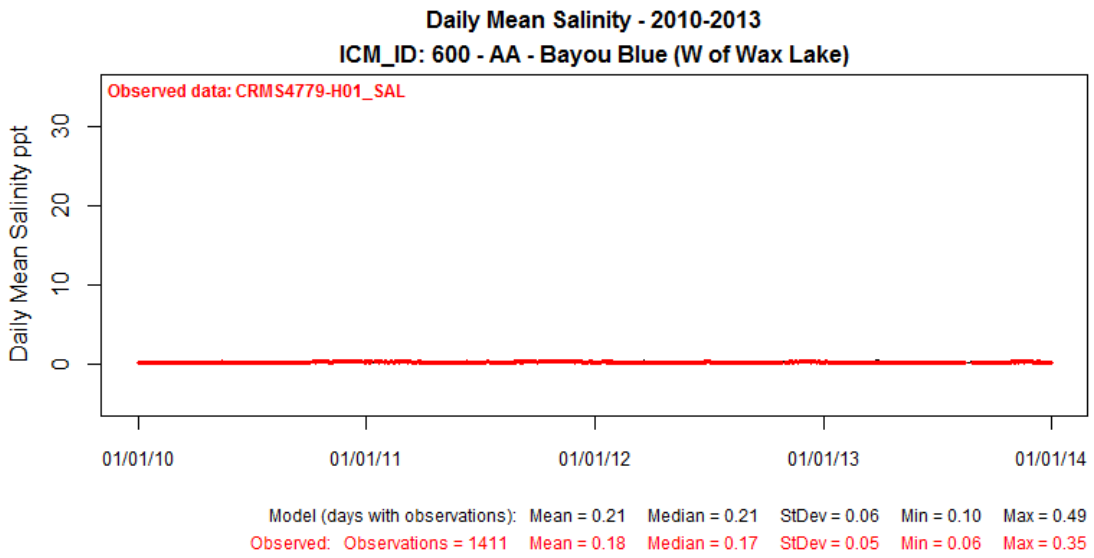

Figure 265: Modeled Salinity (ppt) at ICM Compartment 600 (solid black line) Compared to Observed Data at CRMS4779-H01 for Calibration Period, 2010-2013.

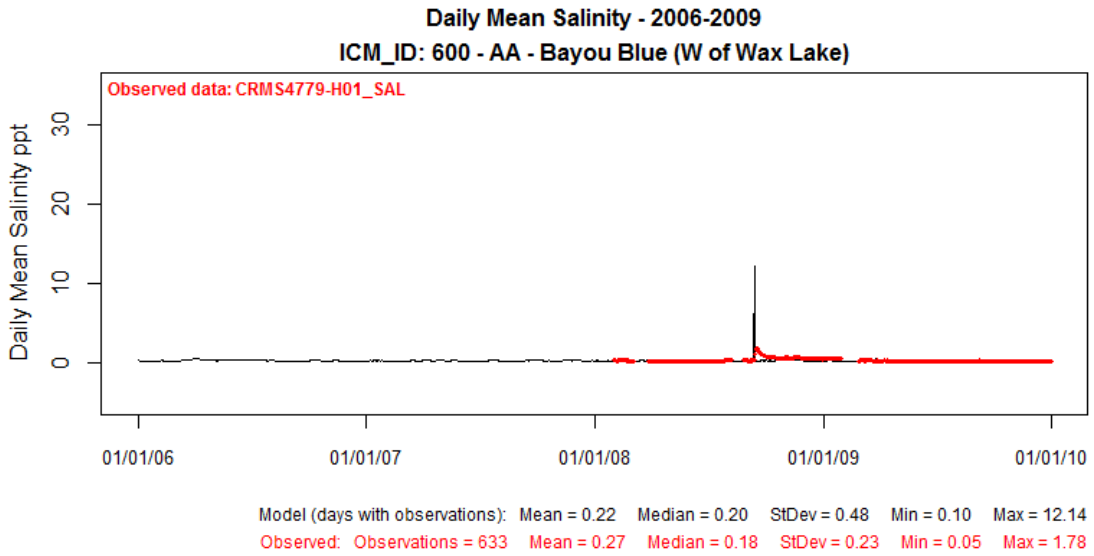

Figure 266: Modeled Salinity (ppt) at ICM Compartment 600 (solid black line) Compared to Observed Data at CRMS4779-H01 for Validation Period, 2006-2009.

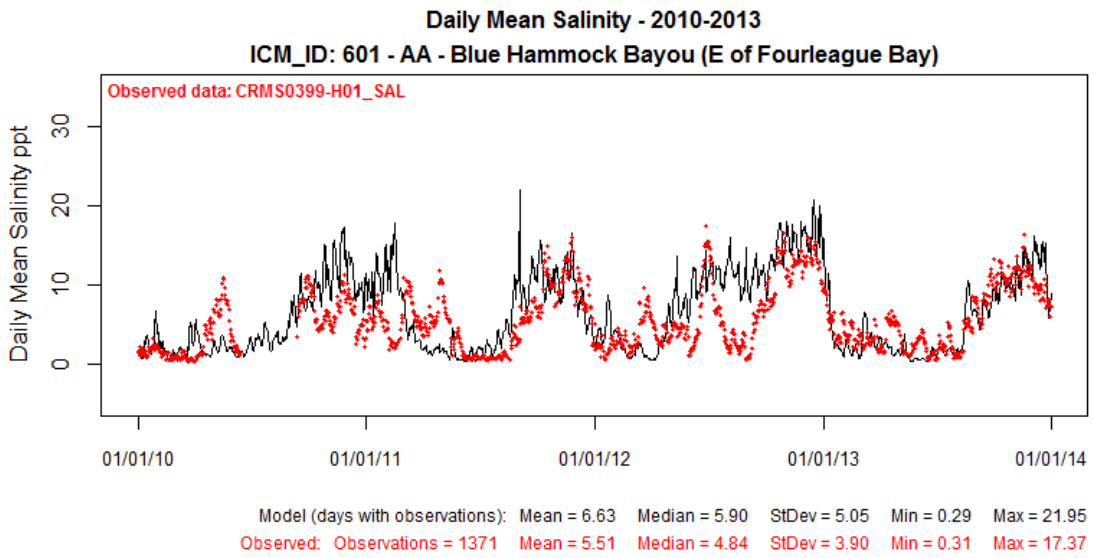

Figure 267: Modeled Salinity (ppt) at ICM Compartment 601 (solid black line) Compared to Observed Data at CRMS0399-H01 for Calibration Period, 2010-2013.

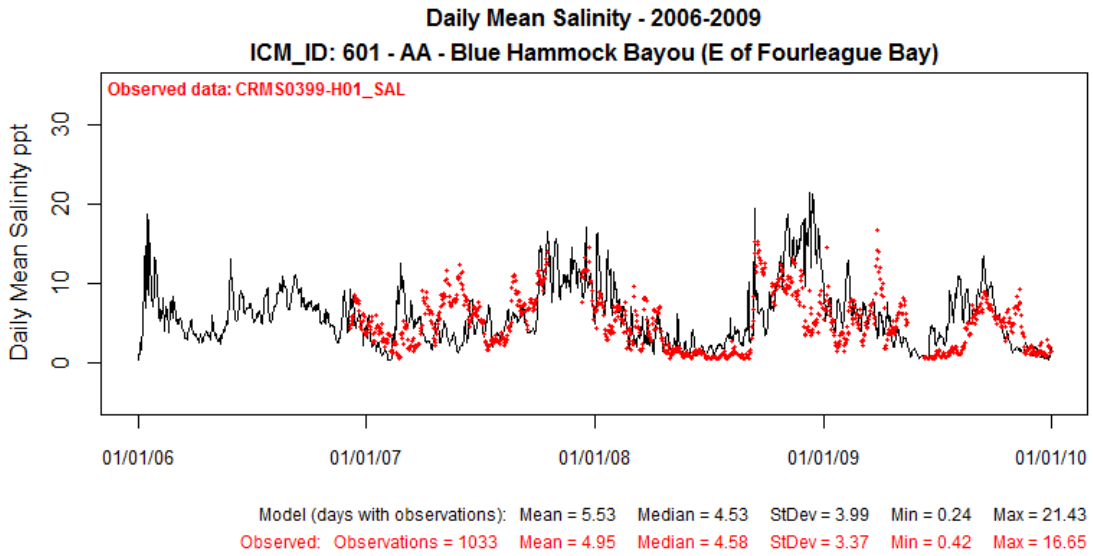

Figure 268: Modeled Salinity (ppt) at ICM Compartment 601 (solid black line) Compared to Observed Data at CRMS0399-H01 for Validation Period, 2006-2009.

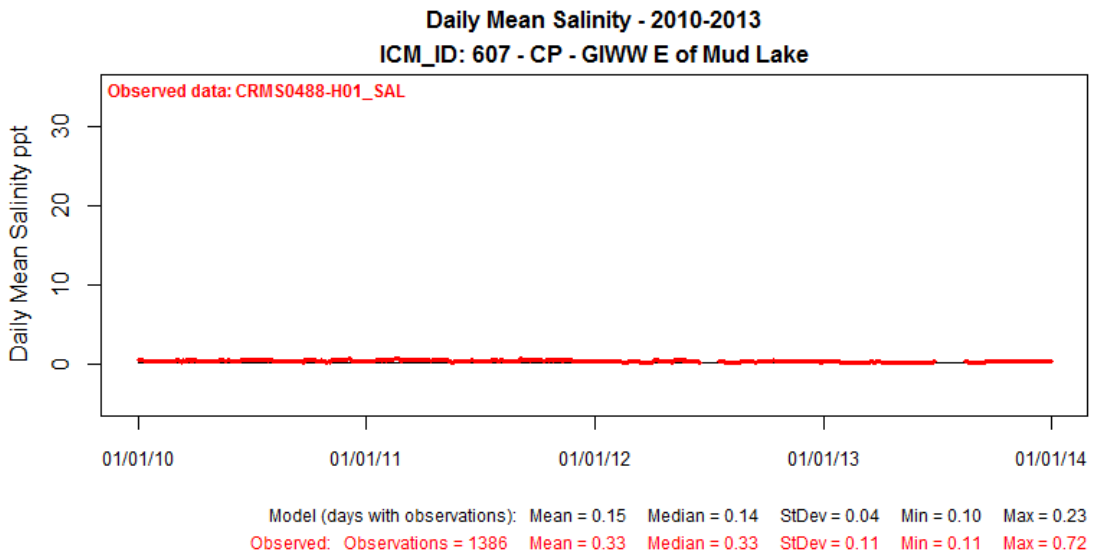

Figure 269: Modeled Salinity (ppt) at ICM Compartment 607 (solid black line) Compared to Observed Data at CRMS0488-H01 for Calibration Period, 2010-2013.

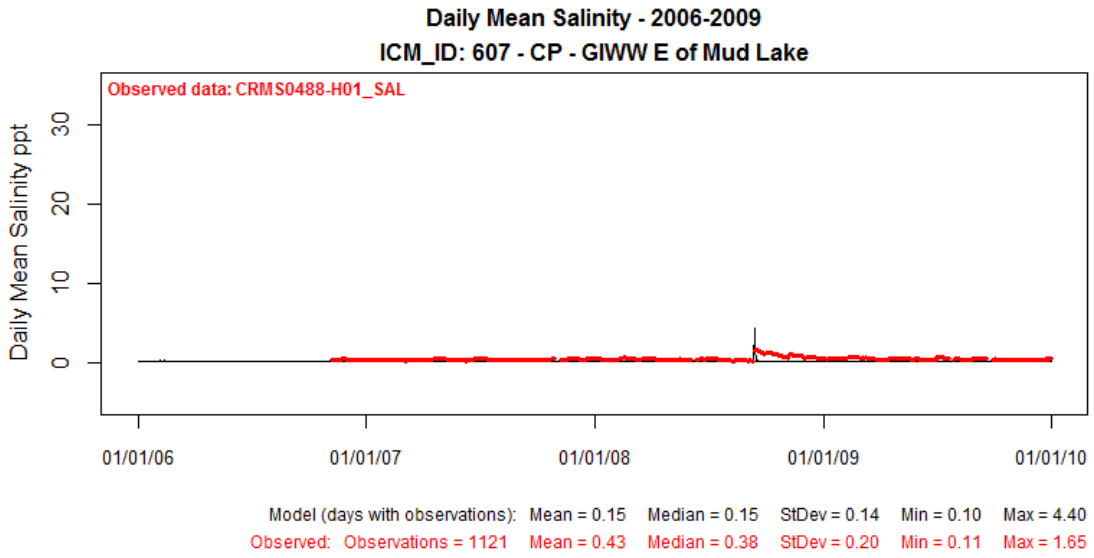

Figure 270: Modeled Salinity (ppt) at ICM Compartment 607 (solid black line) Compared to Observed Data at CRMS0488-H01 for Validation Period, 2006-2009.

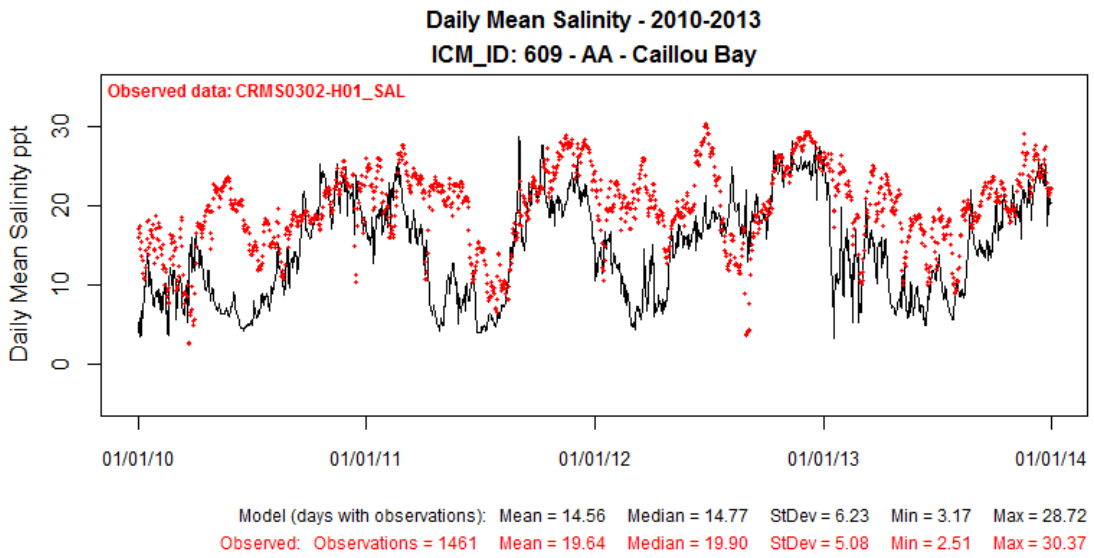

Figure 271: Modeled Salinity (ppt) at ICM Compartment 609 (solid black line) Compared to Observed Data at CRMS0302-H01 for Calibration Period, 2010-2013.

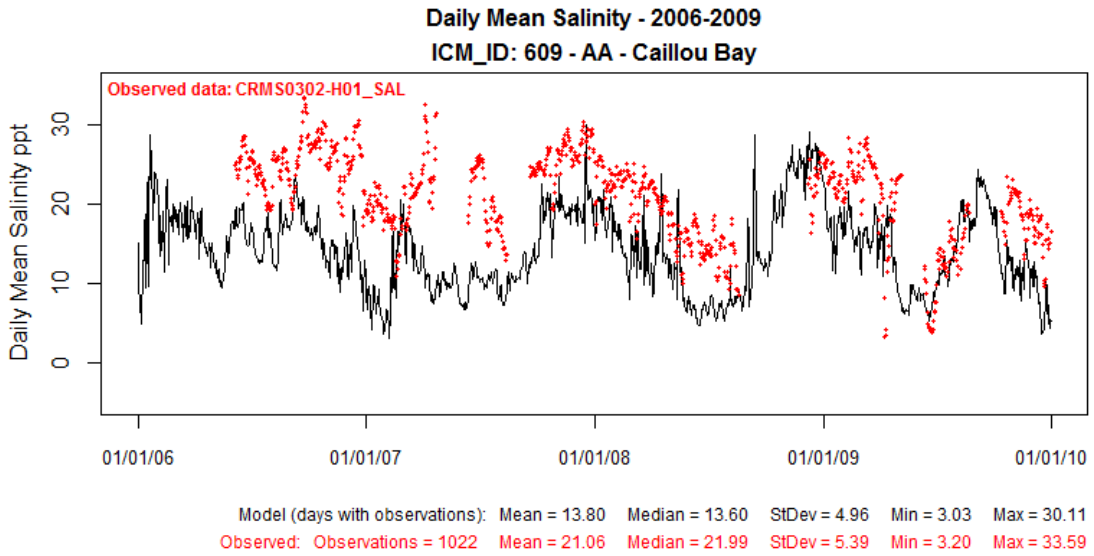

Figure 272: Modeled Salinity (ppt) at ICM Compartment 609 (solid black line) Compared to Observed Data at CRMS0302-H01 for Validation Period, 2006-2009.

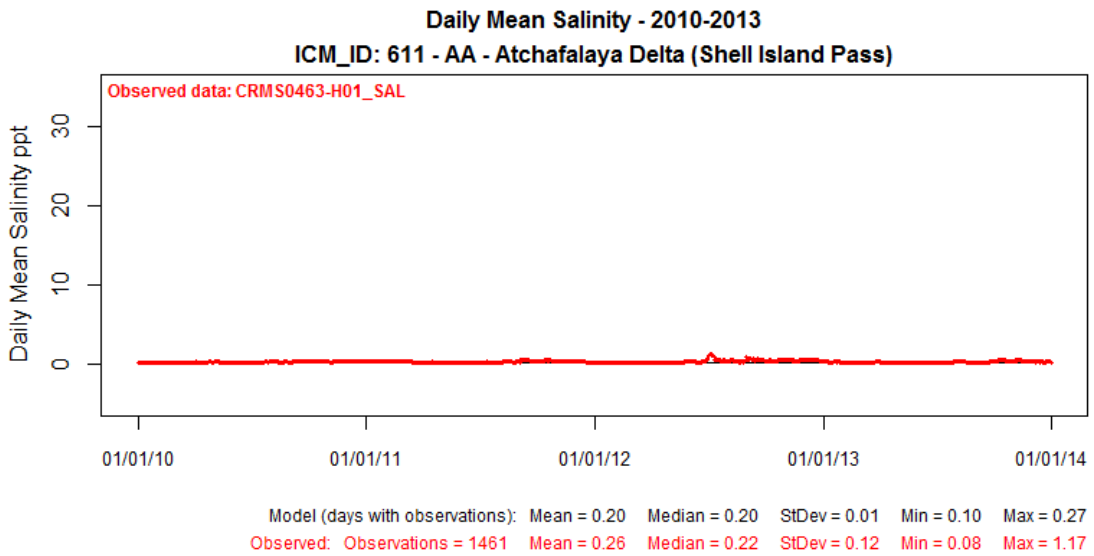

Figure 273: Modeled Salinity (ppt) at ICM Compartment 611 (solid black line) Compared to Observed Data at CRMS0463-H01 for Calibration Period, 2010-2013.

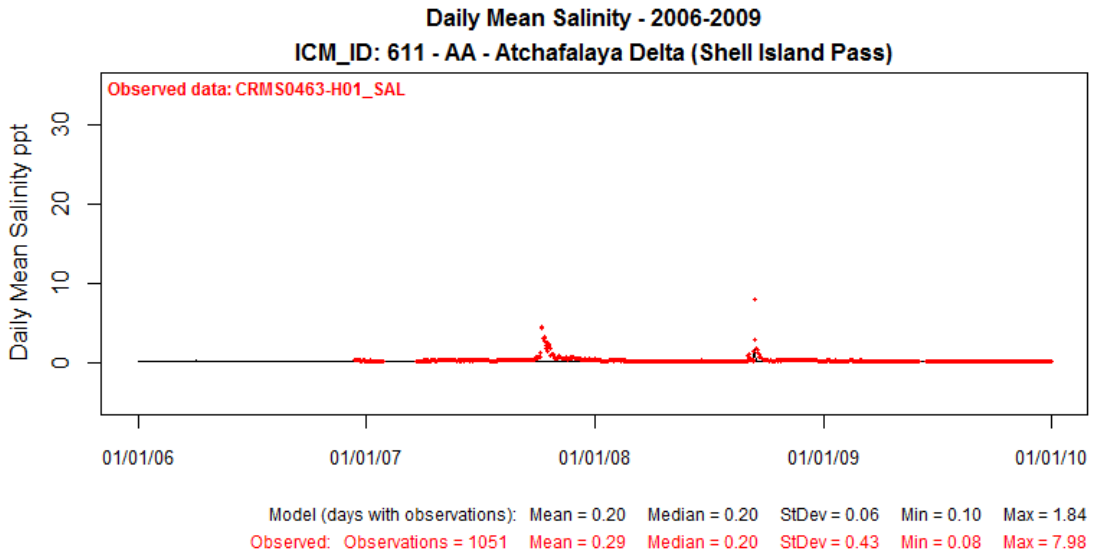

Figure 274: Modeled Salinity (ppt) at ICM Compartment 611 (solid black line) Compared to Observed Data at CRMS0463-H01 for Validation Period, 2006-2009.

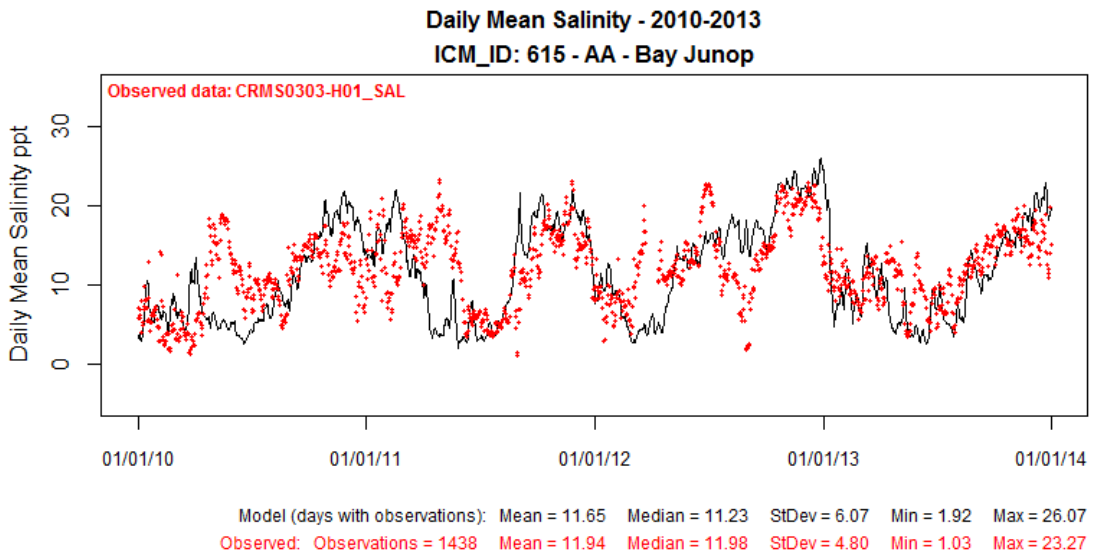

Figure 275: Modeled Salinity (ppt) at ICM Compartment 615 (solid black line) Compared to Observed Data at CRMS0303-H01 for Calibration Period, 2010-2013.

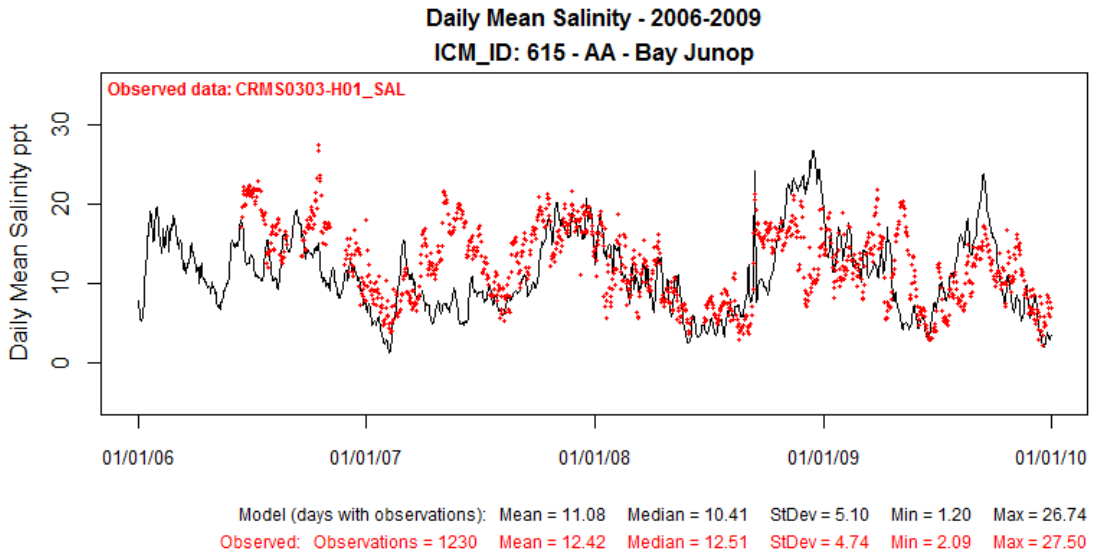

Figure 276: Modeled Salinity (ppt) at ICM Compartment 615 (solid black line) Compared to Observed Data at CRMS0303-H01 for Validation Period, 2006-2009.

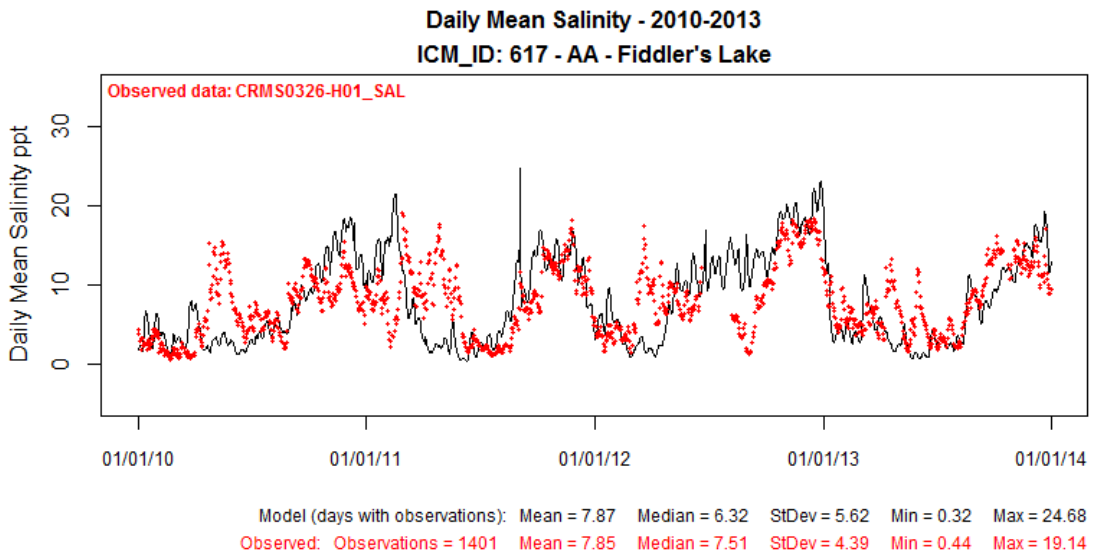

Figure 277: Modeled Salinity (ppt) at ICM Compartment 617 (solid black line) Compared to Observed Data at CRMS0326-H01 for Calibration Period, 2010-2013.

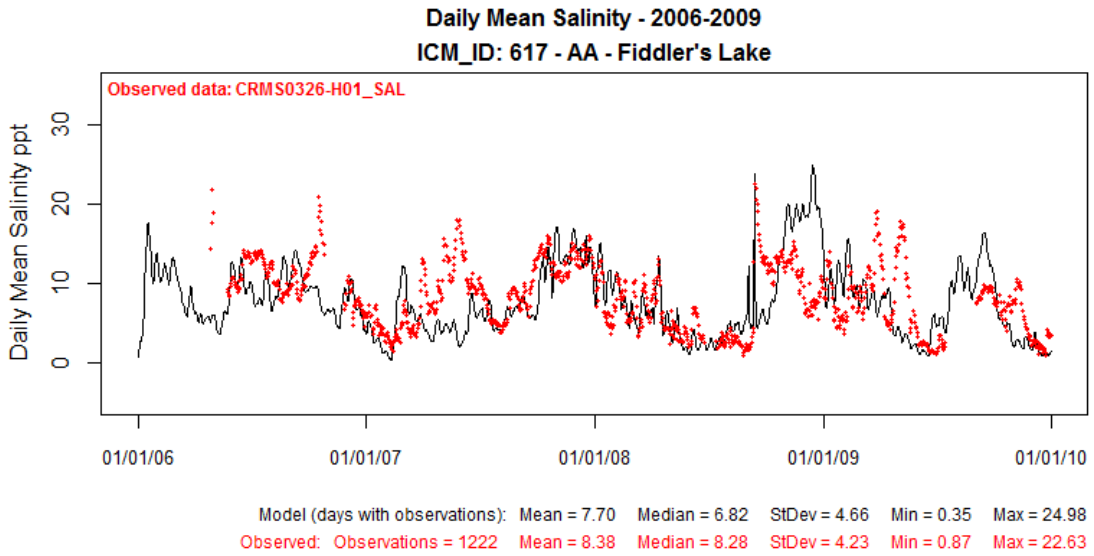

Figure 278: Modeled Salinity (ppt) at ICM Compartment 617 (solid black line) Compared to Observed Data at CRMS0326-H01 for Validation Period, 2006-2009.

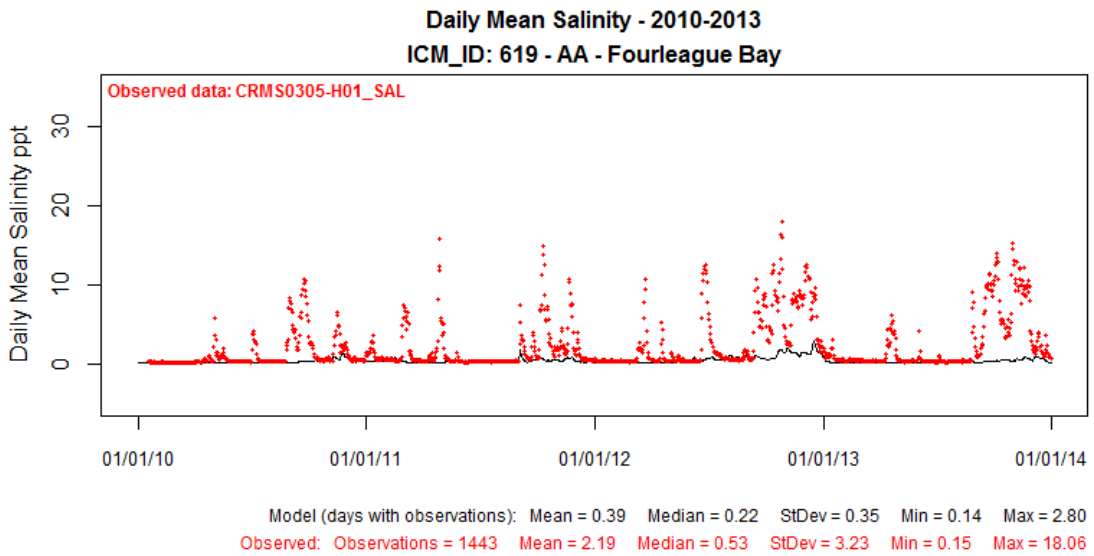

Figure 279: Modeled Salinity (ppt) at ICM Compartment 619 (solid black line) Compared to Observed Data at CRMS0305-H01 for Calibration Period, 2010-2013.

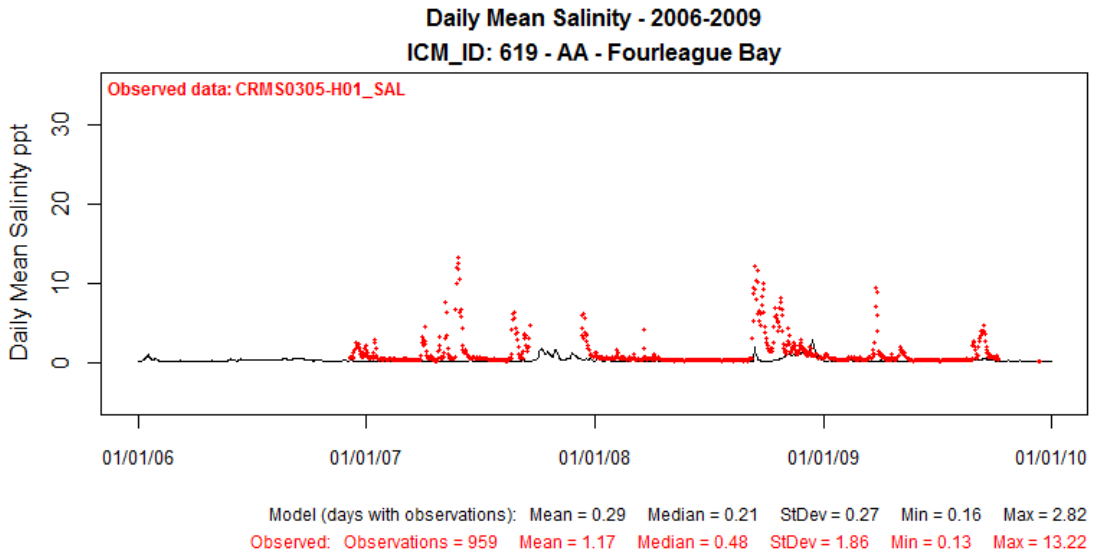

Figure 280: Modeled Salinity (ppt) at ICM Compartment 619 (solid black line) Compared to Observed Data at CRMS0305-H01 for Validation Period, 2006-2009.

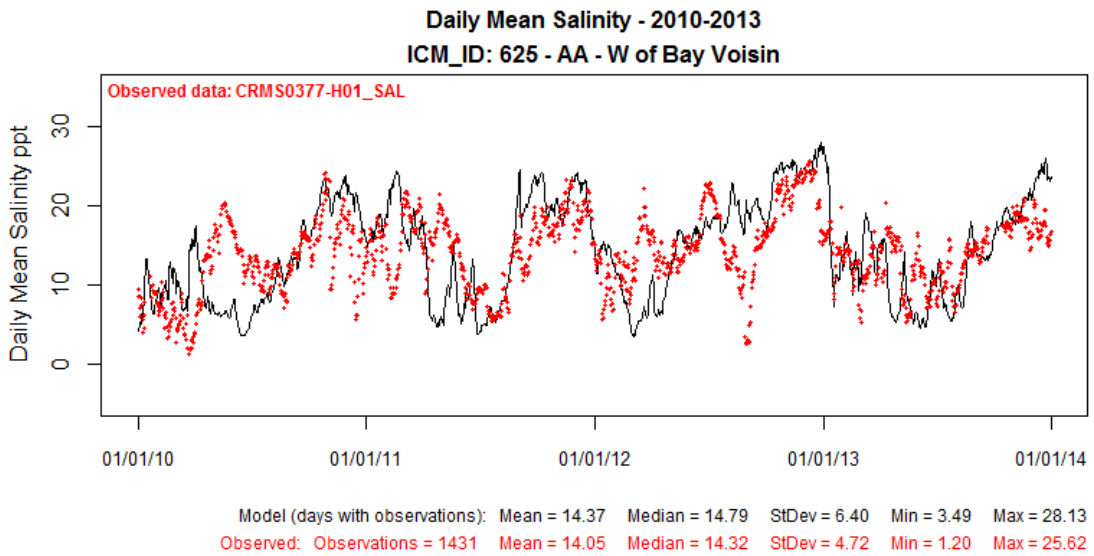

Figure 281: Modeled Salinity (ppt) at ICM Compartment 625 (solid black line) Compared to Observed Data at CRMS0377-H01 for Calibration Period, 2010-2013.

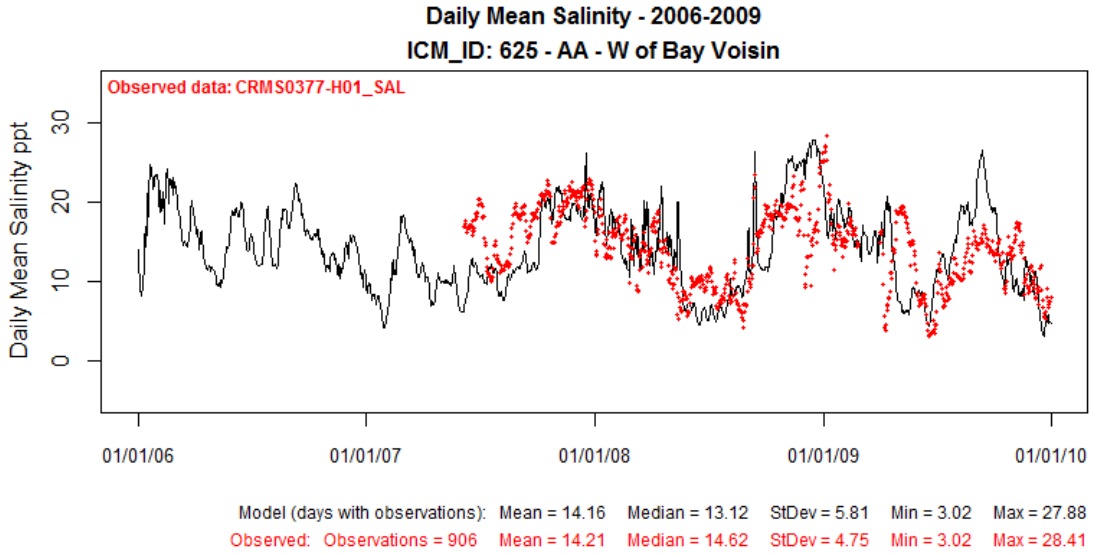

Figure 282: Modeled Salinity (ppt) at ICM Compartment 625 (solid black line) Compared to Observed Data at CRMS0377-H01 for Validation Period, 2006-2009.

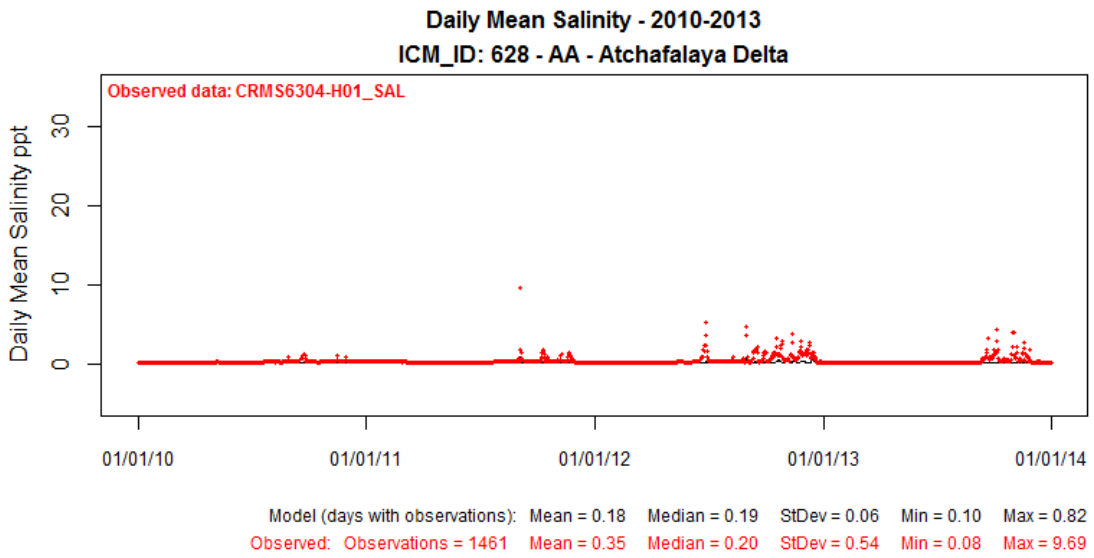

Figure 283: Modeled Salinity (ppt) at ICM Compartment 628 (solid black line) Compared to Observed Data at CRMS6304-H01 for Calibration Period, 2010-2013.

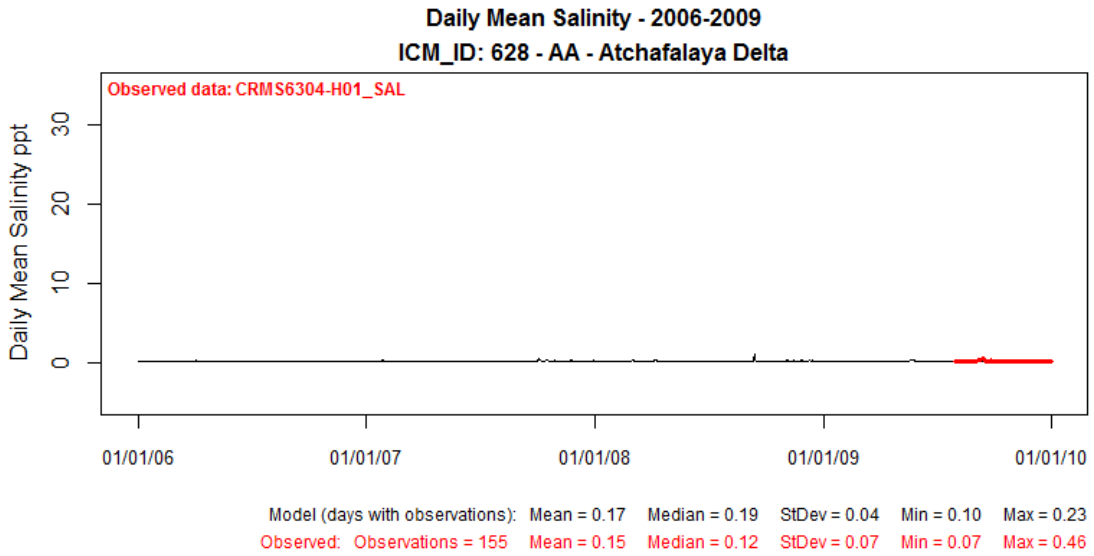

Figure 284: Modeled Salinity (ppt) at ICM Compartment 628 (solid black line) Compared to Observed Data at CRMS6304-H01 for Validation Period, 2006-2009.

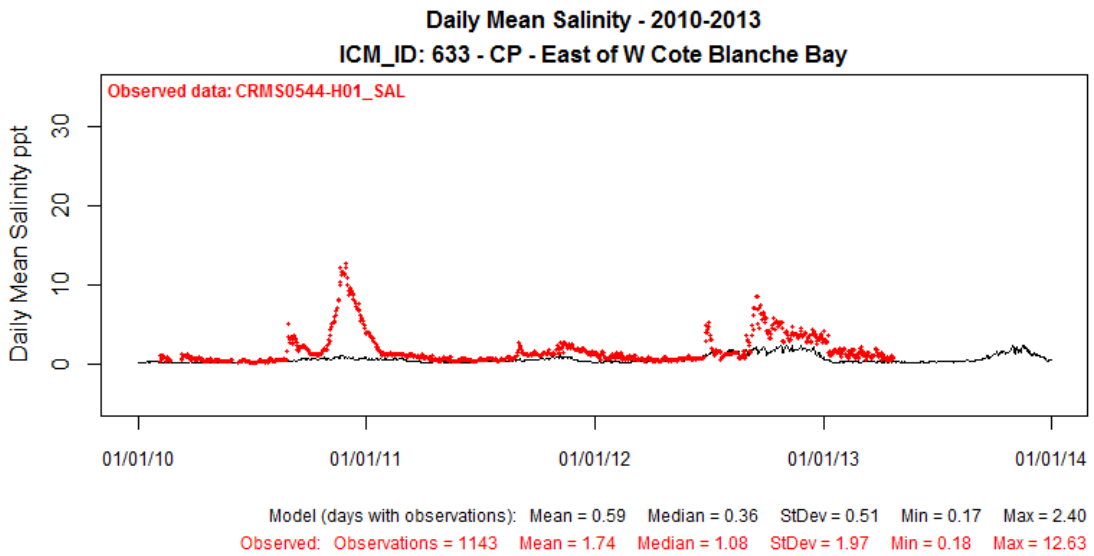

Figure 285: Modeled Salinity (ppt) at ICM Compartment 633 (solid black line) Compared to Observed Data at CRMS0544-H01 for Calibration Period, 2010-2013.

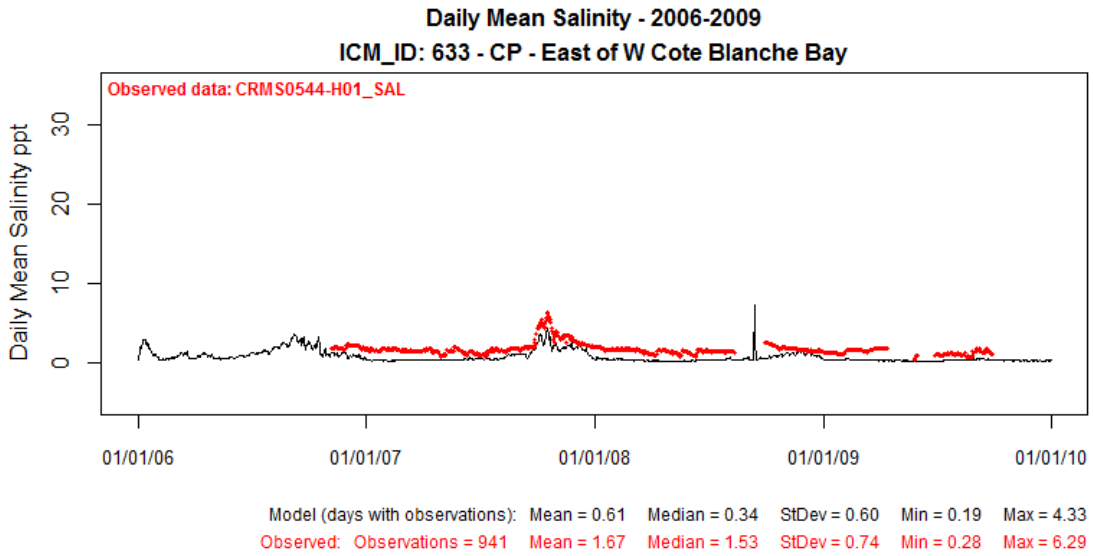

Figure 286: Modeled Salinity (ppt) at ICM Compartment 633 (solid black line) Compared to Observed Data at CRMS0544-H01 for Validation Period, 2006-2009.

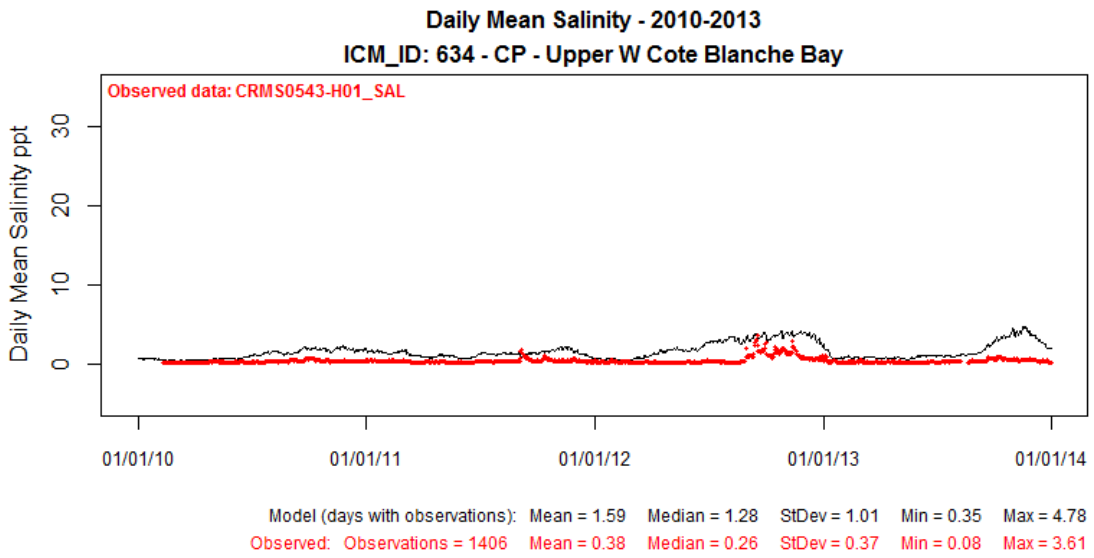

Figure 287: Modeled Salinity (ppt) at ICM Compartment 634 (solid black line) Compared to Observed Data at CRMS0543-H01 for Calibration Period, 2010-2013.

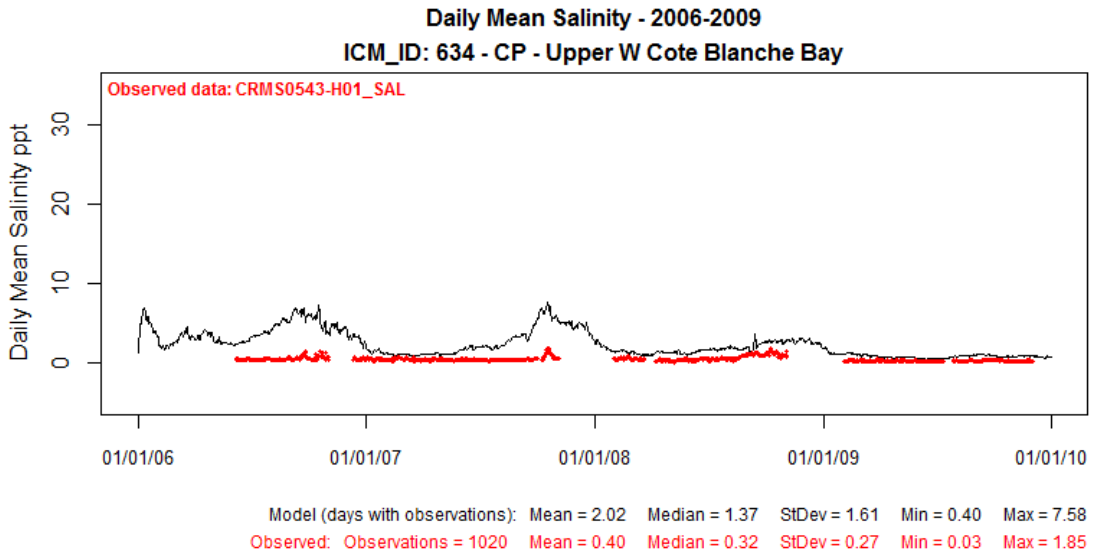

Figure 288: Modeled Salinity (ppt) at ICM Compartment 634 (solid black line) Compared to Observed Data at CRMS0543-H01 for Validation Period, 2006-2009.

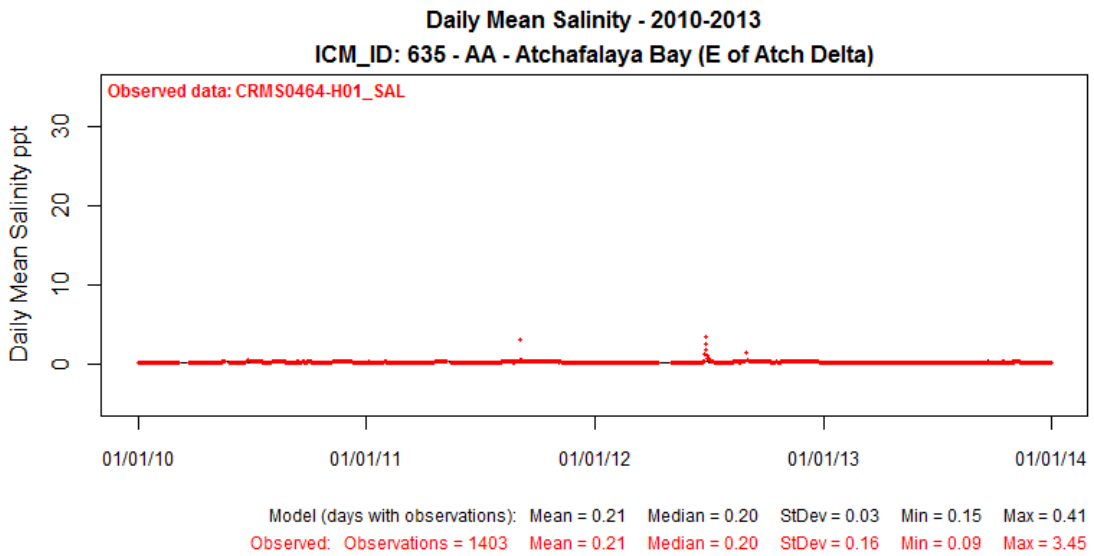

Figure 289: Modeled Salinity (ppt) at ICM Compartment 635 (solid black line) Compared to Observed Data at CRMS0464-H01 for Calibration Period, 2010-2013.

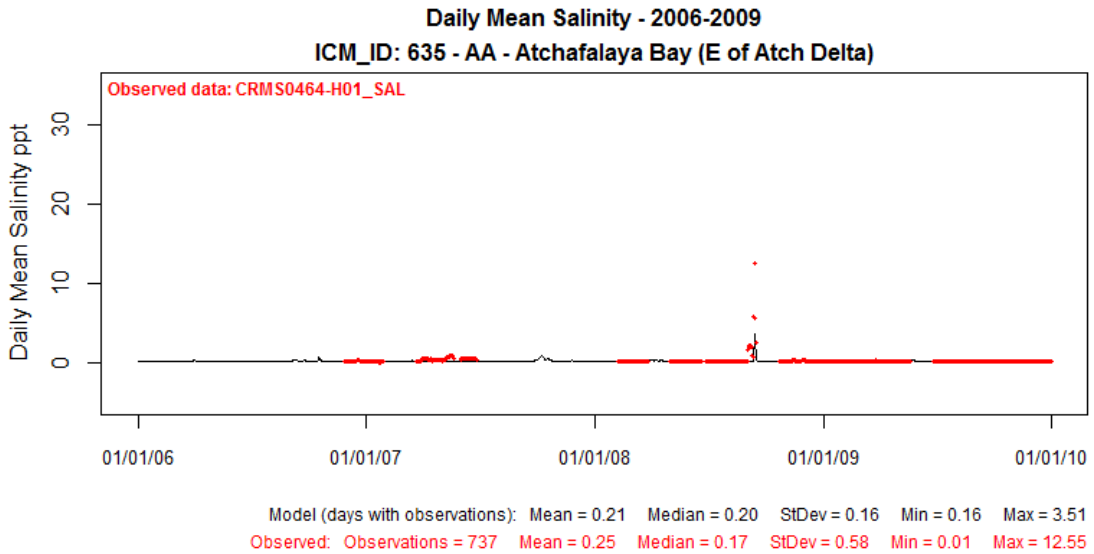

Figure 290: Modeled Salinity (ppt) at ICM Compartment 635 (solid black line) Compared to Observed Data at CRMS0464-H01 for Validation Period, 2006-2009.

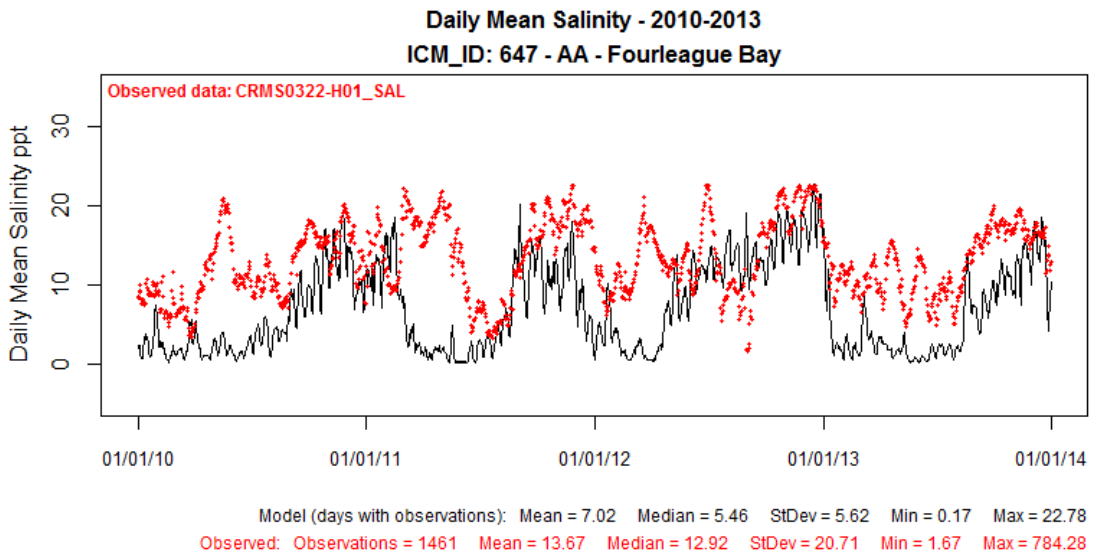

Figure 291: Modeled Salinity (ppt) at ICM Compartment 647 (solid black line) Compared to Observed Data at CRMS0322-H01 for Calibration Period, 2010-2013.

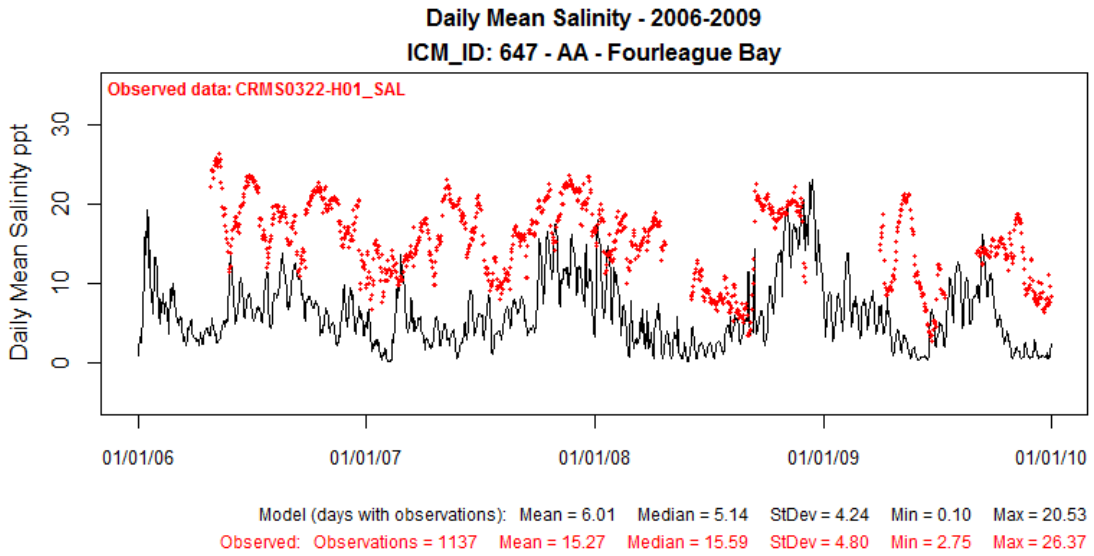

Figure 292: Modeled Salinity (ppt) at ICM Compartment 647 (solid black line) Compared to Observed Data at CRMS0322-H01 for Validation Period, 2006-2009.

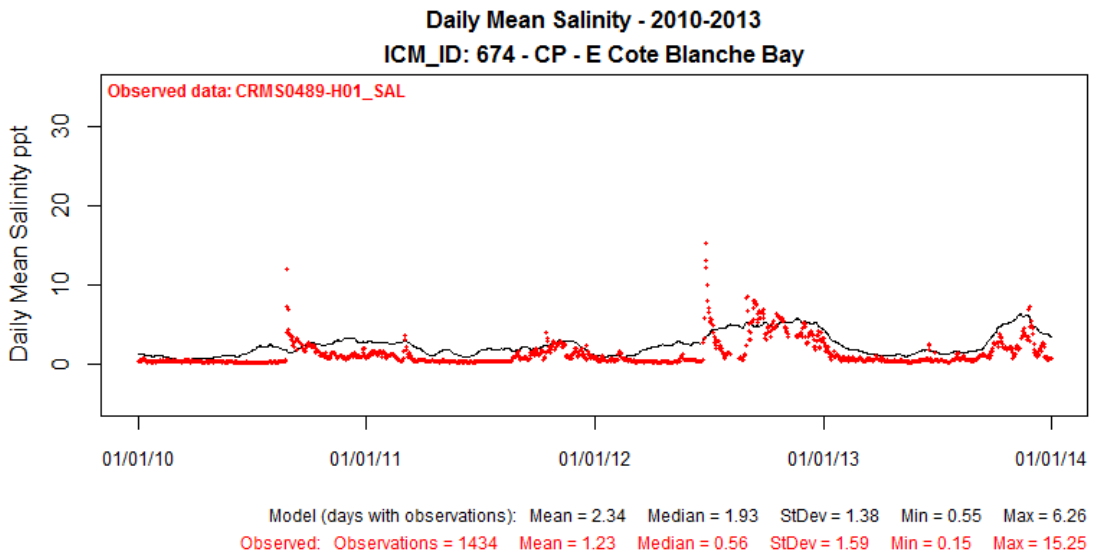

Figure 293: Modeled Salinity (ppt) at ICM Compartment 674 (solid black line) Compared to Observed Data at CRMS0489-H01 for Calibration Period, 2010-2013.

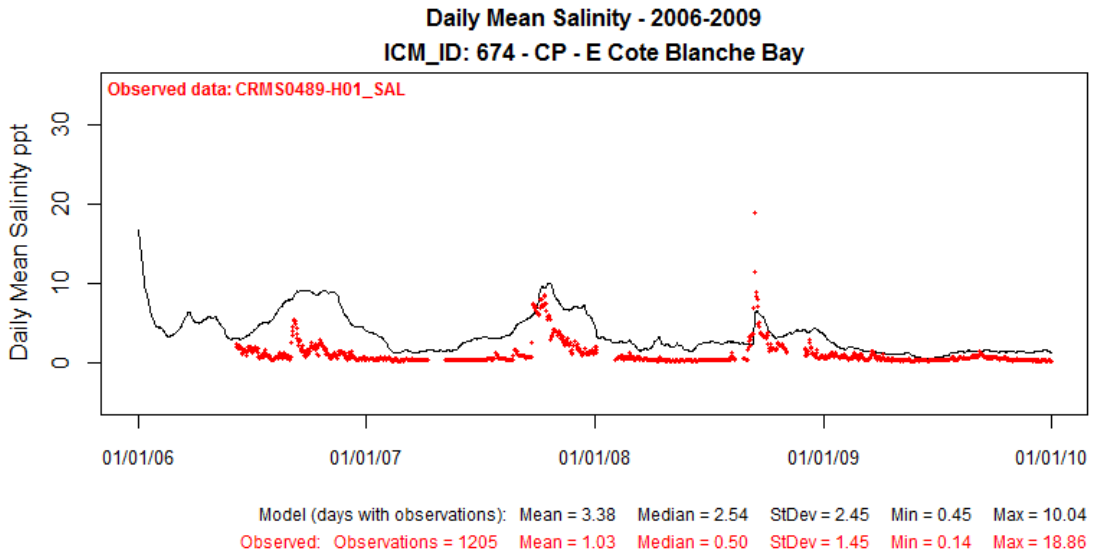

Figure 294: Modeled Salinity (ppt) at ICM Compartment 674 (solid black line) Compared to Observed Data at CRMS0489-H01 for Validation Period, 2006-2009.

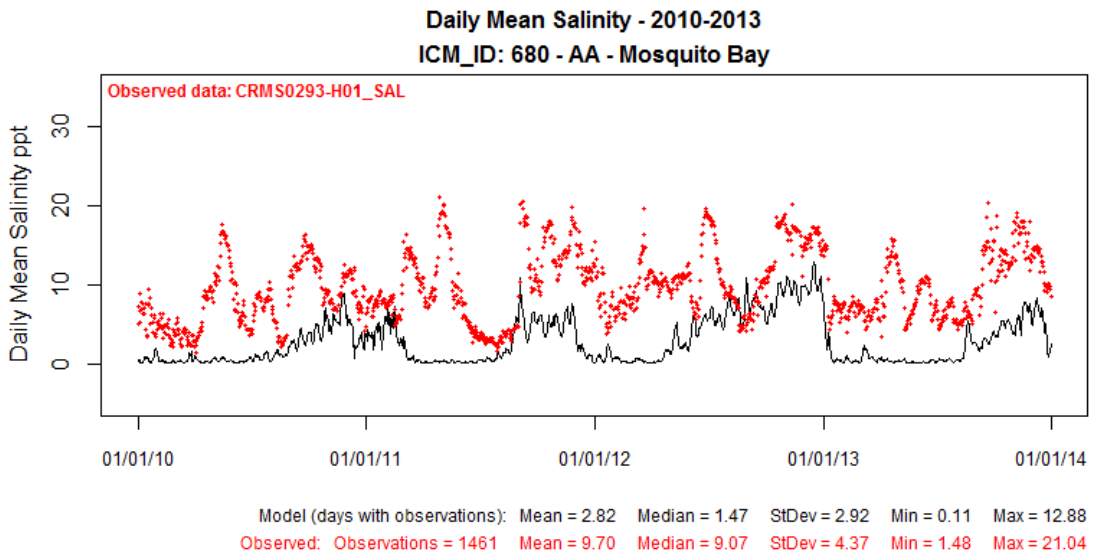

Figure 295: Modeled Salinity (ppt) at ICM Compartment 680 (solid black line) Compared to Observed Data at CRMS0293-H01 for Calibration Period, 2010-2013.

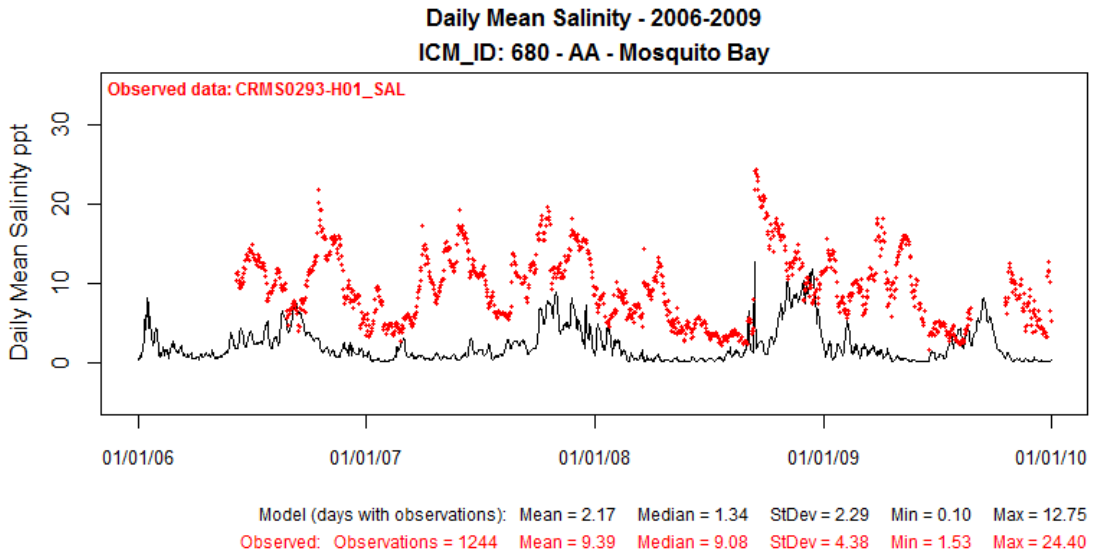

Figure 296: Modeled Salinity (ppt) at ICM Compartment 680 (solid black line) Compared to Observed Data at CRMS0293-H01 for Validation Period, 2006-2009.

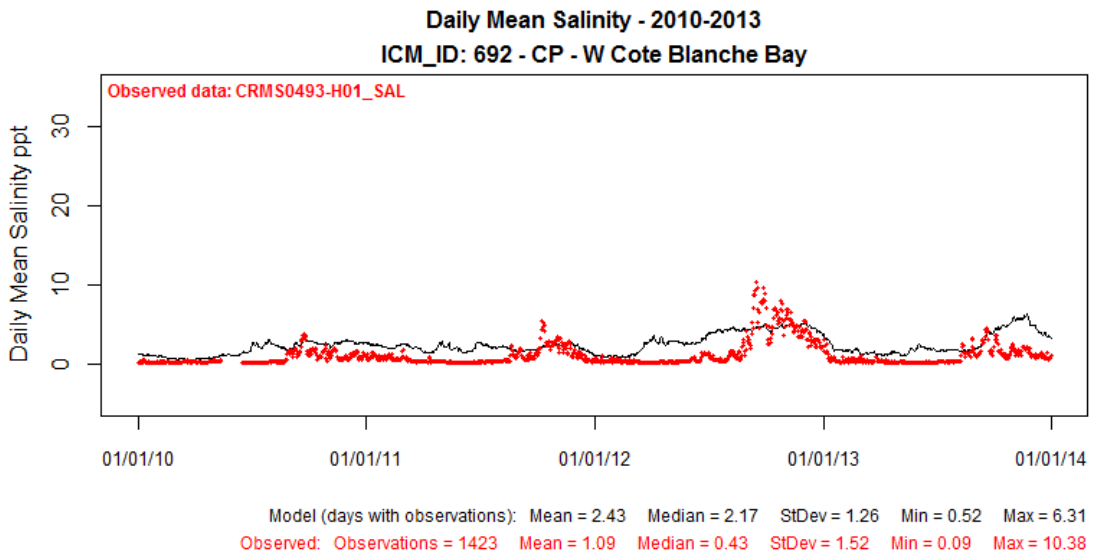

Figure 297: Modeled Salinity (ppt) at ICM Compartment 692 (solid black line) Compared to Observed Data at CRMS0493-H01 for Calibration Period, 2010-2013.

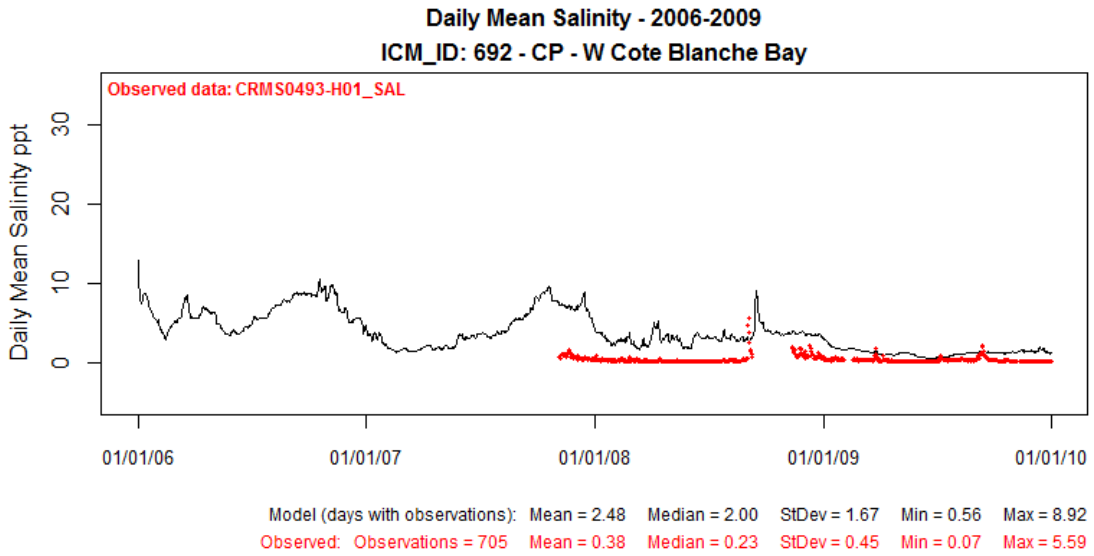

Figure 298: Modeled Salinity (ppt) at ICM Compartment 692 (solid black line) Compared to Observed Data at CRMS0493-H01 for Validation Period, 2006-2009.

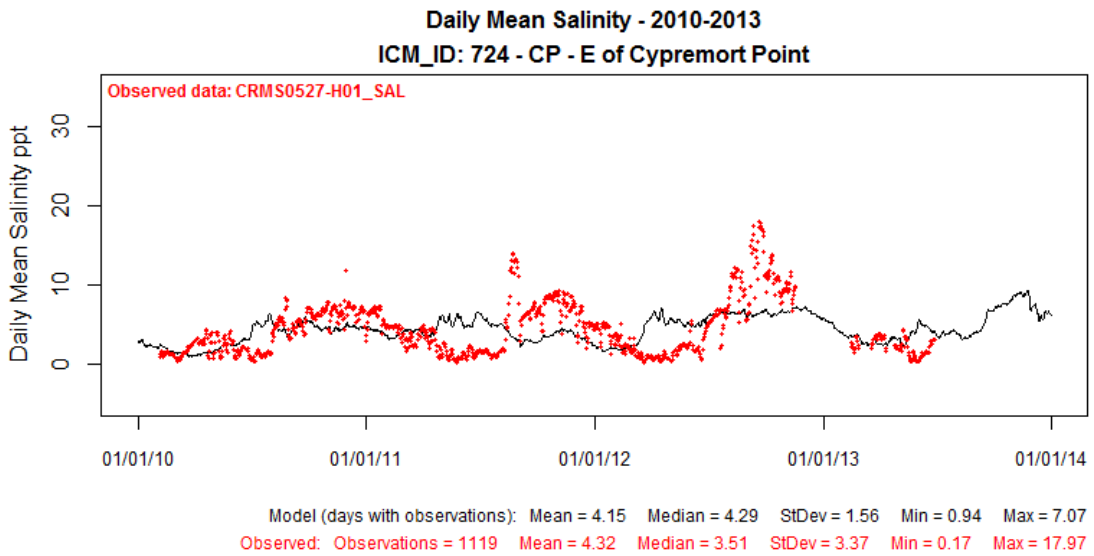

Figure 299: Modeled Salinity (ppt) at ICM Compartment 724 (solid black line) Compared to Observed Data at CRMS0527-H01 for Calibration Period, 2010-2013.

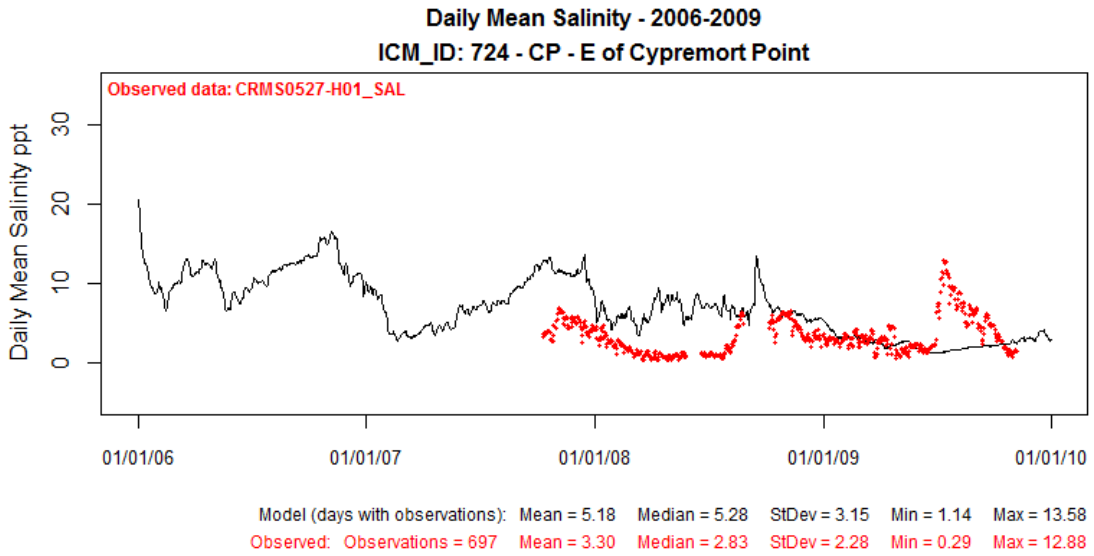

Figure 300: Modeled Salinity (ppt) at ICM Compartment 724 (solid black line) Compared to Observed Data at CRMS0527-H01 for Validation Period, 2006-2009.

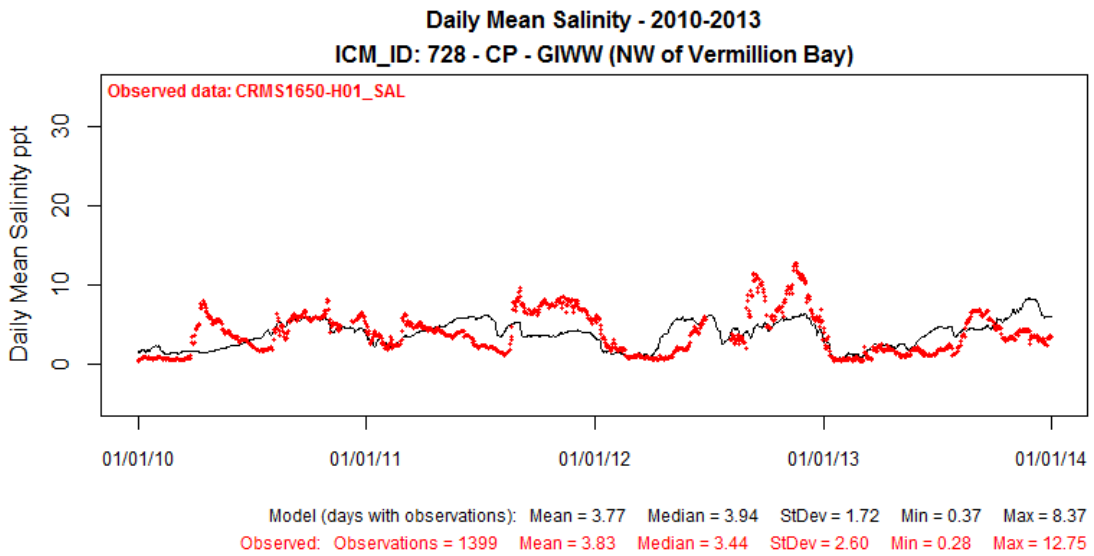

Figure 301: Modeled Salinity (ppt) at ICM Compartment 728 (solid black line) Compared to Observed Data at CRMS1650-H01 for Calibration Period, 2010-2013.

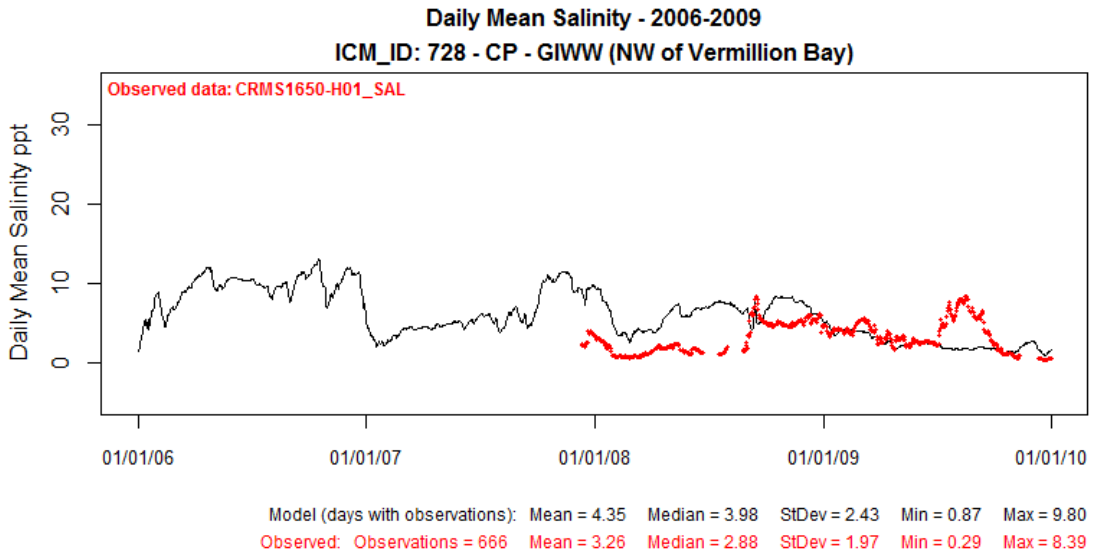

Figure 302: Modeled Salinity (ppt) at ICM Compartment 728 (solid black line) Compared to Observed Data at CRMS1650-H01 for Validation Period, 2006-2009.

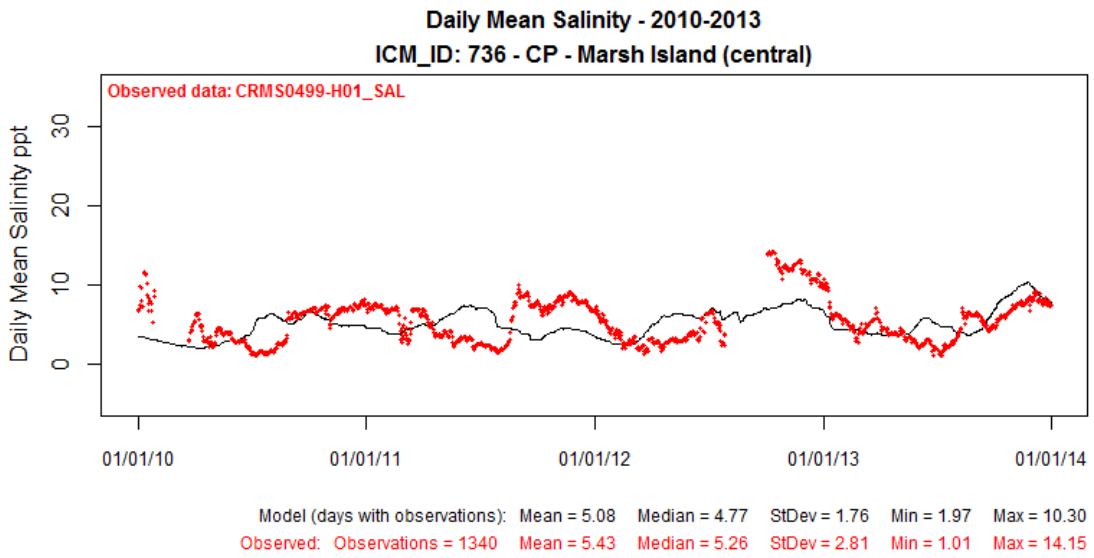

Figure 303: Modeled Salinity (ppt) at ICM Compartment 736 (solid black line) Compared to Observed Data at CRMS0499-H01 for Calibration Period, 2010-2013.

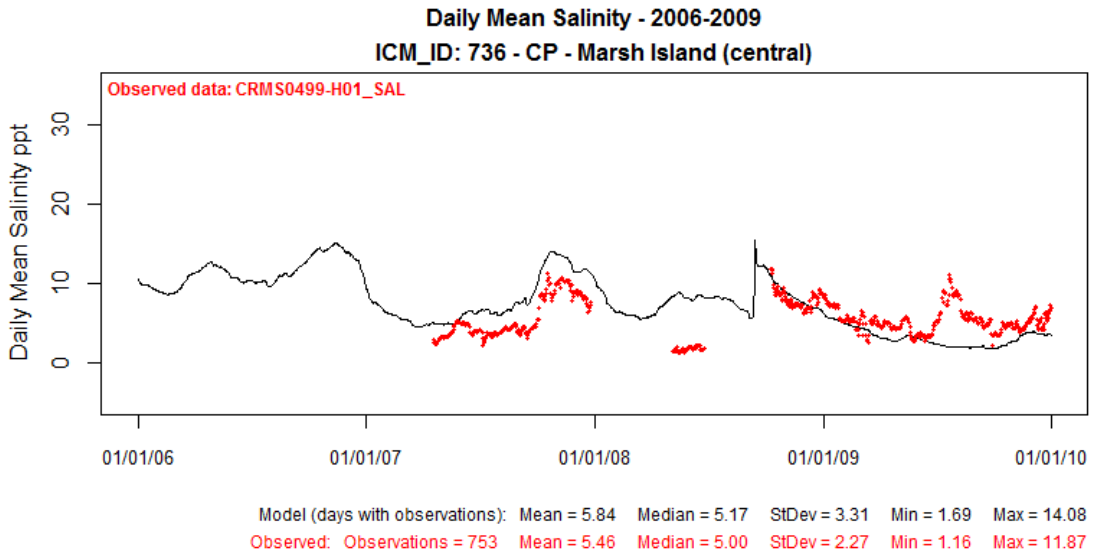

Figure 304: Modeled Salinity (ppt) at ICM Compartment 736 (solid black line) Compared to Observed Data at CRMS0499-H01 for Validation Period, 2006-2009.

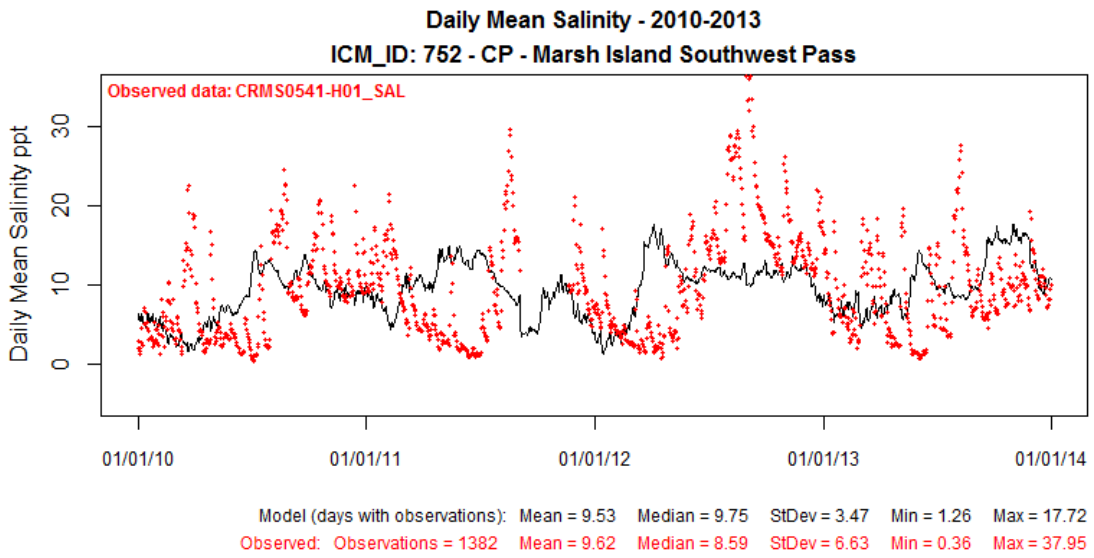

Figure 305: Modeled Salinity (ppt) at ICM Compartment 752 (solid black line) Compared to Observed Data at CRMS0541-H01 for Calibration Period, 2010-2013.

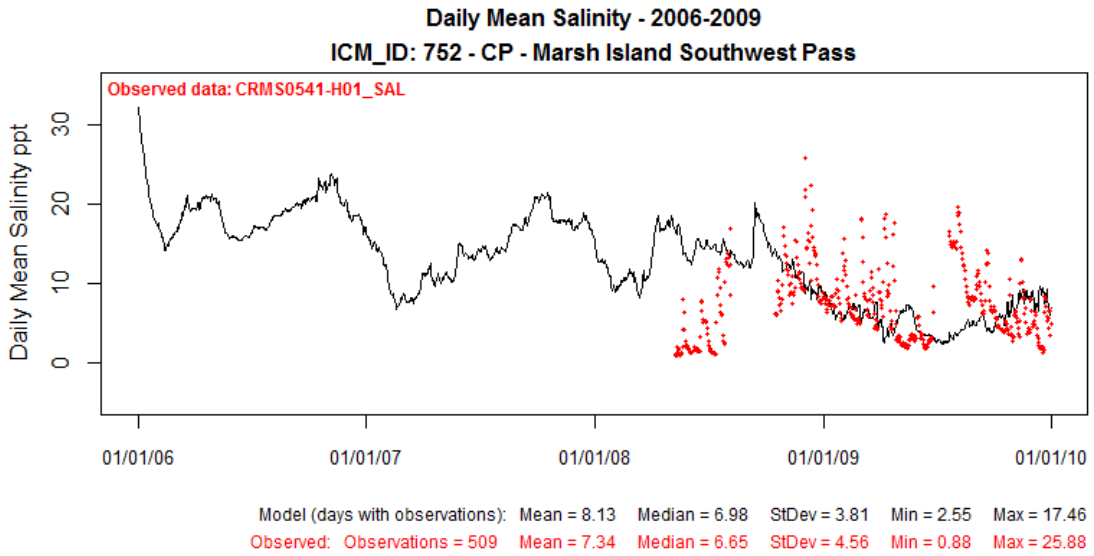

Figure 306: Modeled Salinity (ppt) at ICM Compartment 752 (solid black line) Compared to Observed Data at CRMS0541-H01 for Validation Period, 2006-2009.

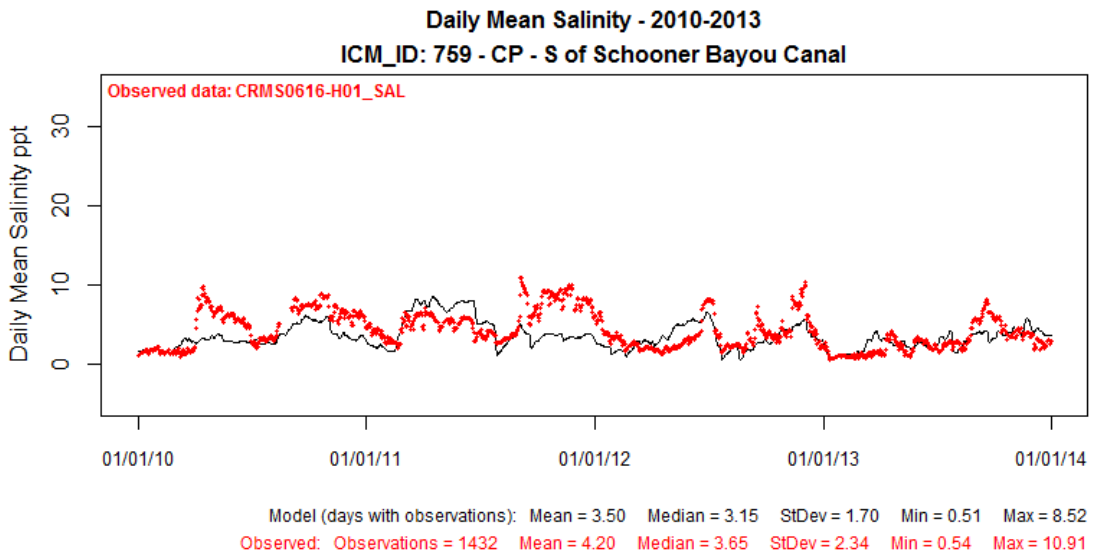

Figure 307: Modeled Salinity (ppt) at ICM Compartment 759 (solid black line) Compared to Observed Data at CRMS0616-H01 for Calibration Period, 2010-2013.

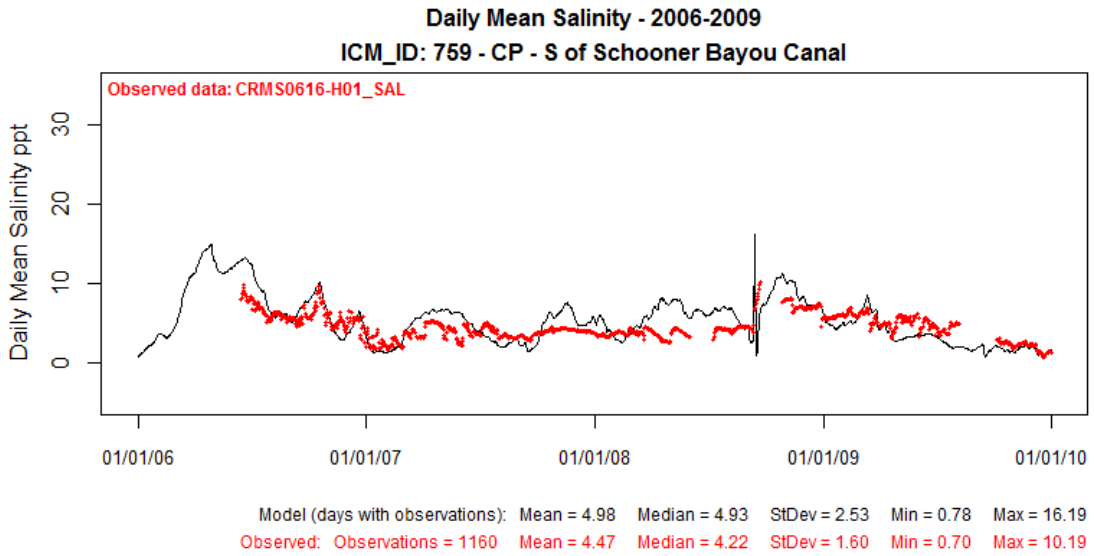

Figure 308: Modeled Salinity (ppt) at ICM Compartment 759 (solid black line) Compared to Observed Data at CRMS0616-H01 for Validation Period, 2006-2009.

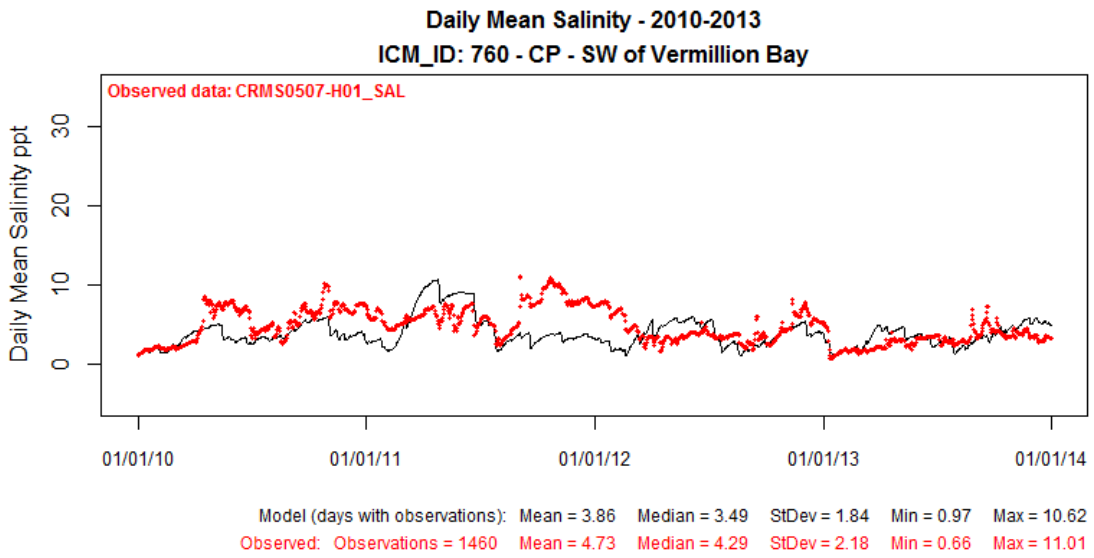

Figure 309: Modeled Salinity (ppt) at ICM Compartment 760 (solid black line) Compared to Observed Data at CRMS0507-H01 for Calibration Period, 2010-2013.

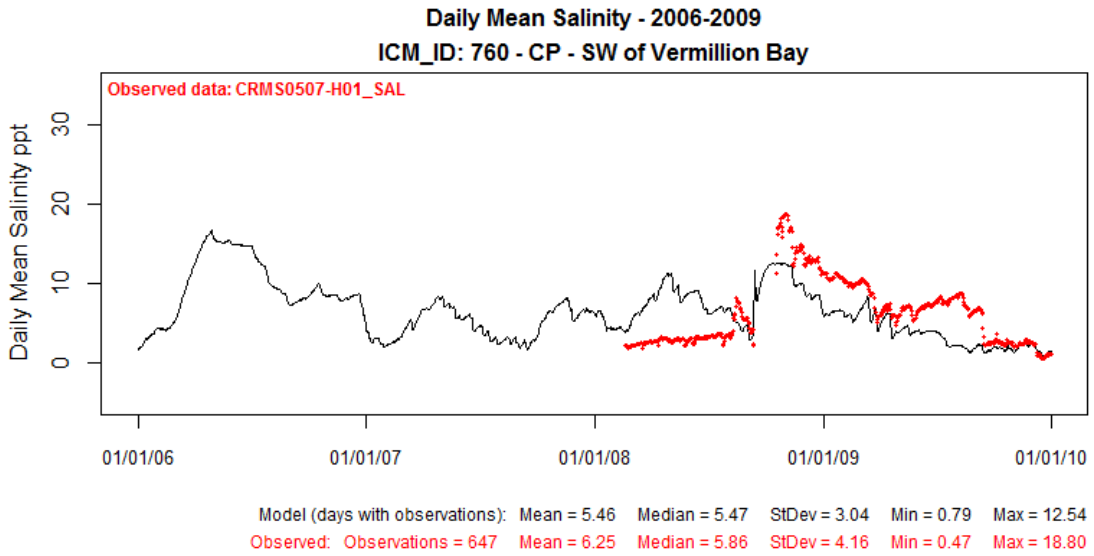

Figure 310: Modeled Salinity (ppt) at ICM Compartment 760 (solid black line) Compared to Observed Data at CRMS0507-H01 for Validation Period, 2006-2009.

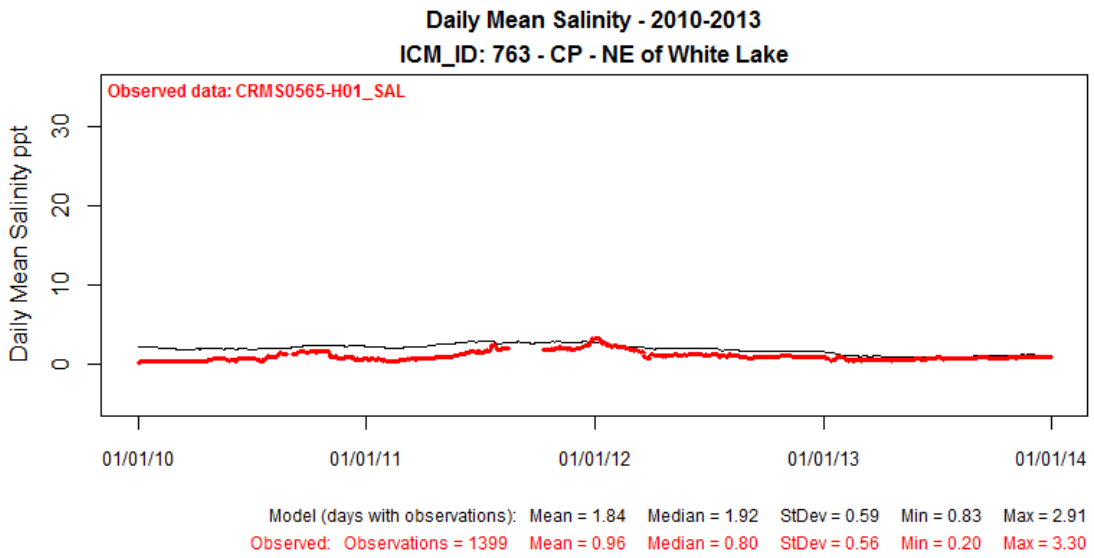

Figure 311: Modeled Salinity (ppt) at ICM Compartment 763 (solid black line) Compared to Observed Data at CRMS0565-H01 for Calibration Period, 2010-2013.

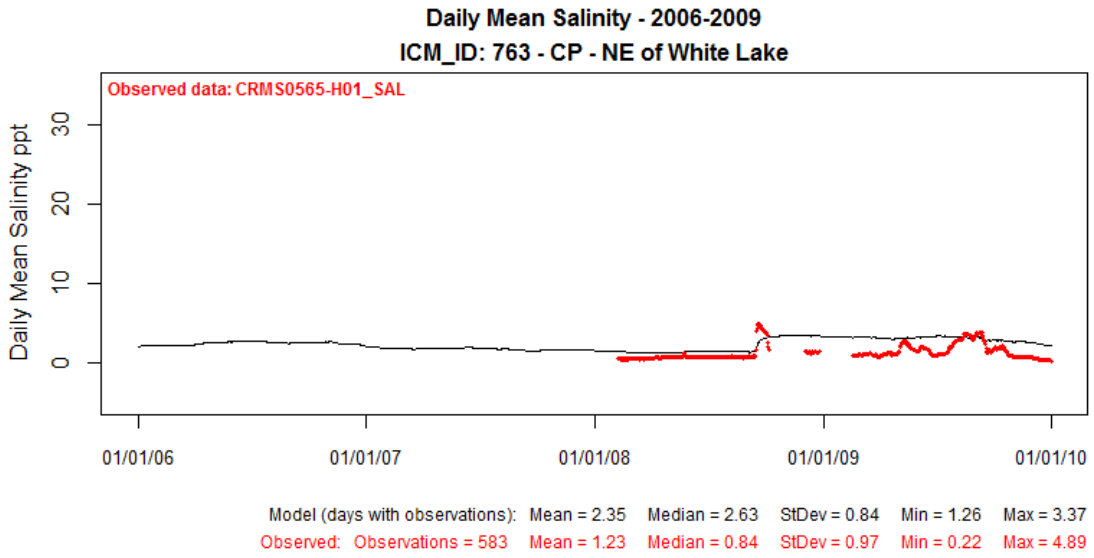

Figure 312: Modeled Salinity (ppt) at ICM Compartment 763 (solid black line) Compared to Observed Data at CRMS0565-H01 for Validation Period, 2006-2009.

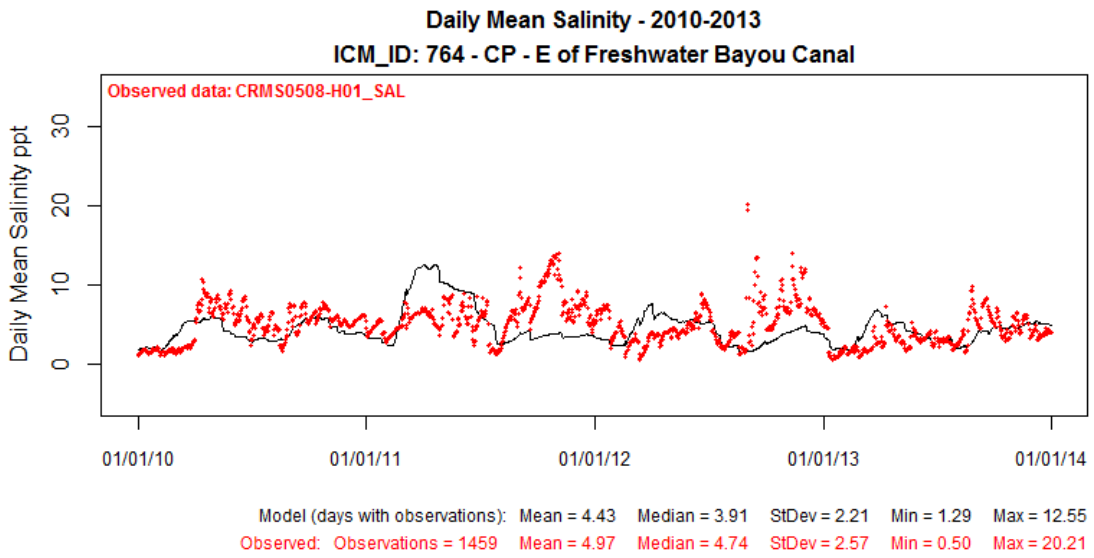

Figure 313: Modeled Salinity (ppt) at ICM Compartment 764 (solid black line) Compared to Observed Data at CRMS0508-H01 for Calibration Period, 2010-2013.

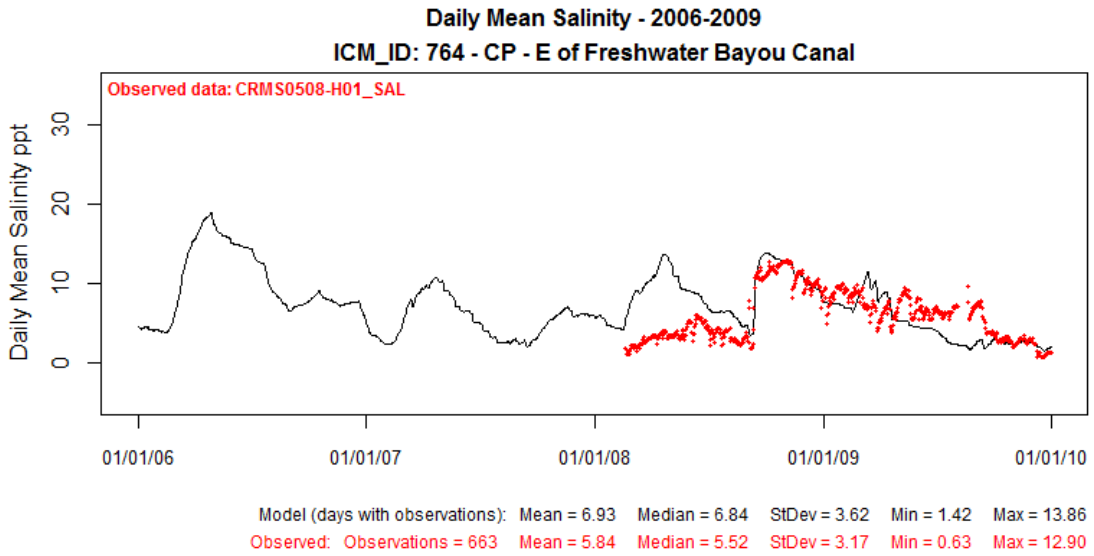

Figure 314: Modeled Salinity (ppt) at ICM Compartment 764 (solid black line) Compared to Observed Data at CRMS0508-H01 for Validation Period, 2006-2009.

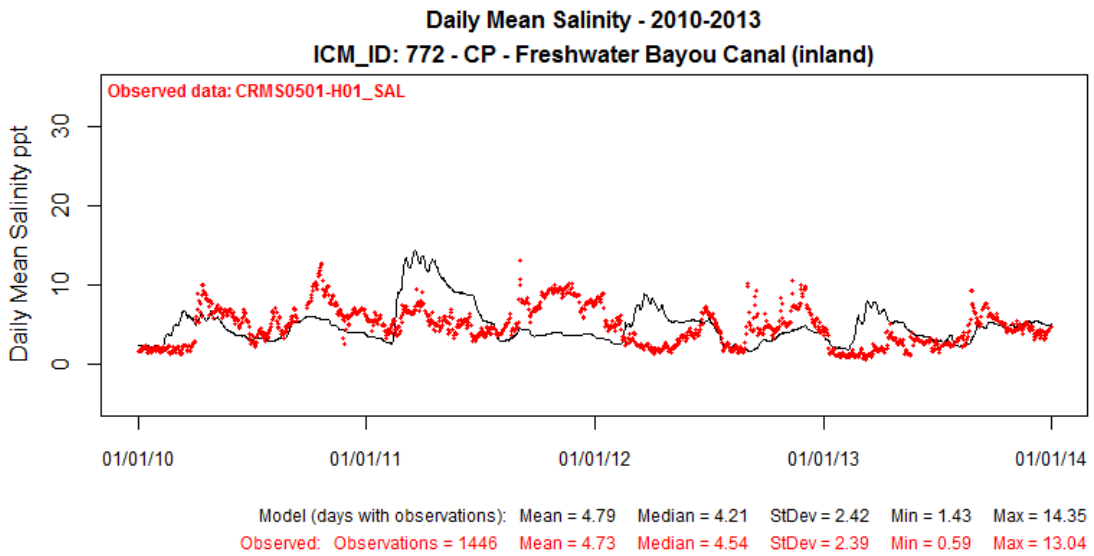

Figure 315: Modeled Salinity (ppt) at ICM Compartment 772 (solid black line) Compared to Observed Data at CRMS0501-H01 for Calibration Period, 2010-2013.

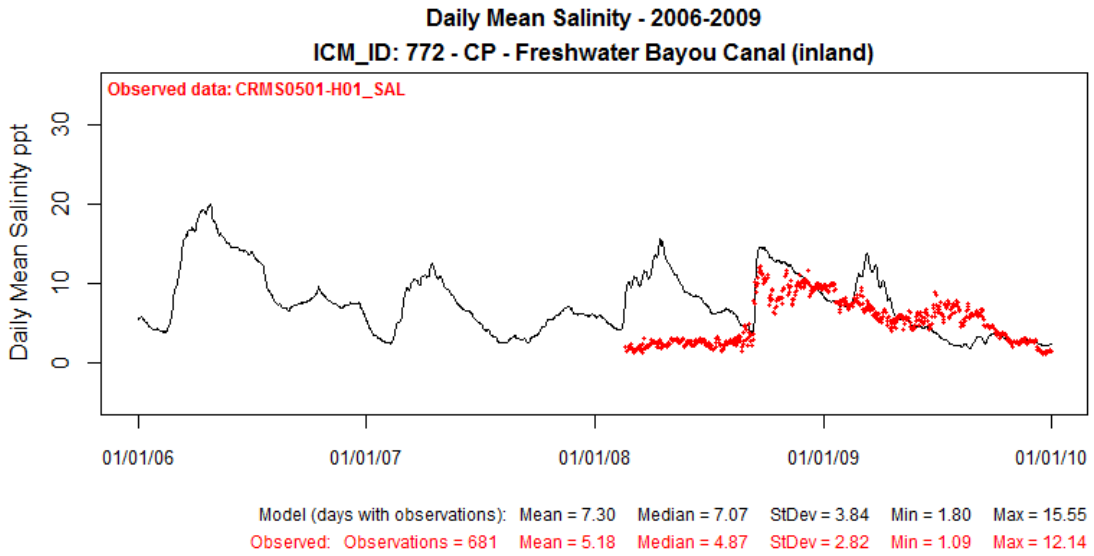

Figure 316: Modeled Salinity (ppt) at ICM Compartment 772 (solid black line) Compared to Observed Data at CRMS0501-H01 for Validation Period, 2006-2009.

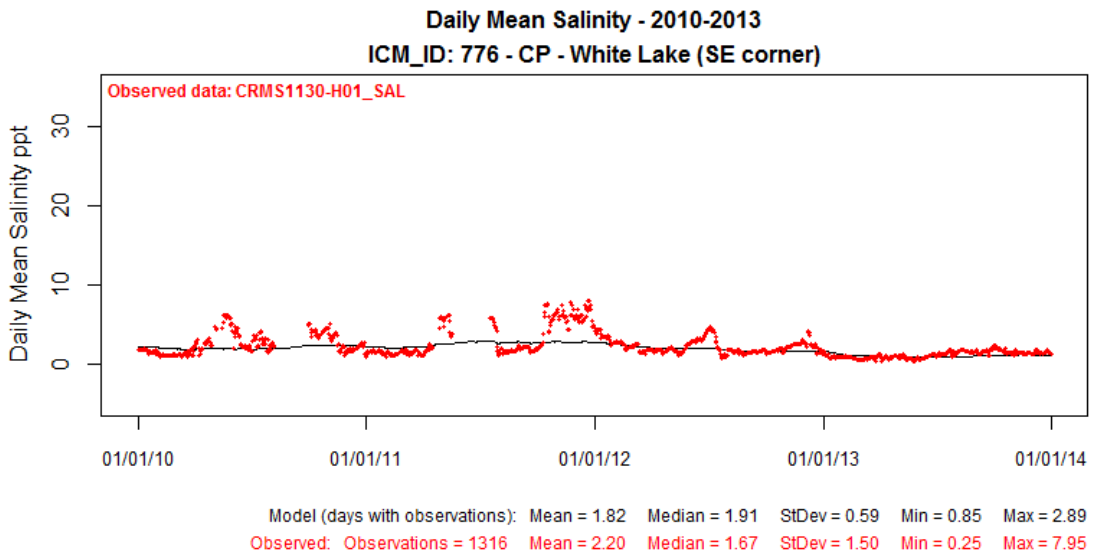

Figure 317: Modeled Salinity (ppt) at ICM Compartment 776 (solid black line) Compared to Observed Data at CRMS1130-H01 for Calibration Period, 2010-2013.

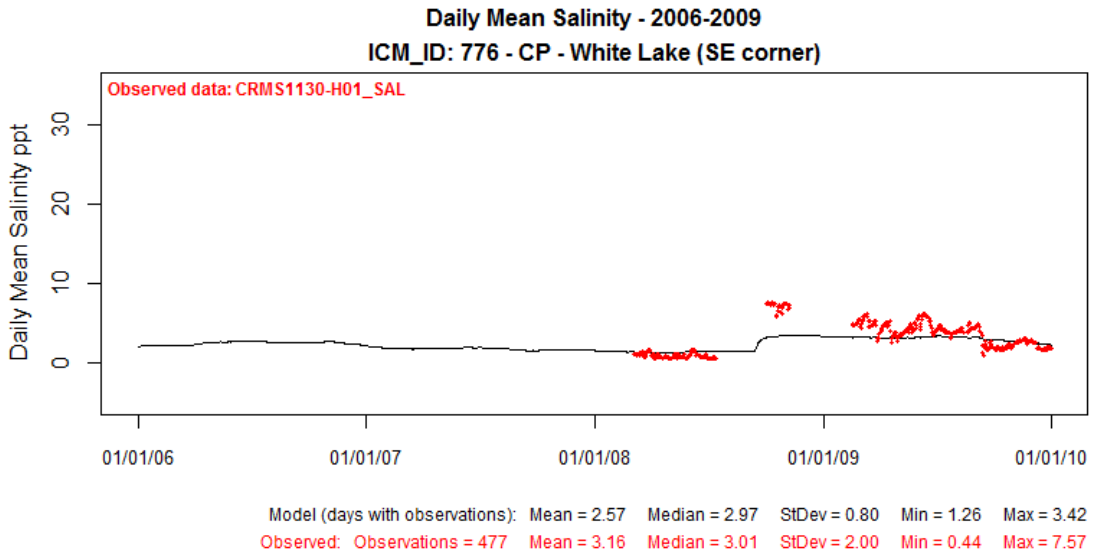

Figure 318: Modeled Salinity (ppt) at ICM Compartment 776 (solid black line) Compared to Observed Data at CRMS1130-H01 for Validation Period, 2006-2009.

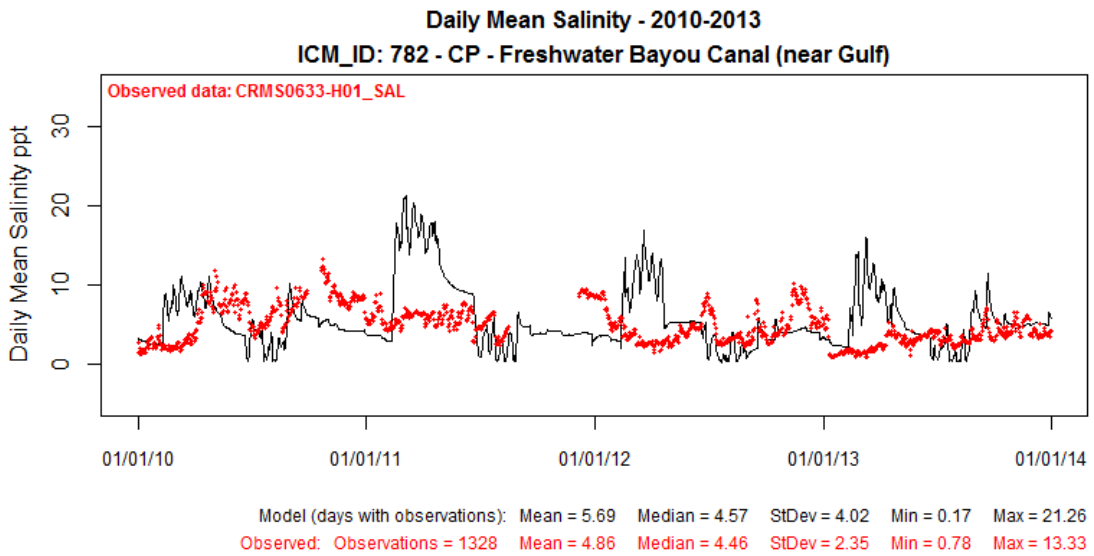

Figure 319: Modeled Salinity (ppt) at ICM Compartment 782 (solid black line) Compared to Observed Data at CRMS0633-H01 for Calibration Period, 2010-2013.

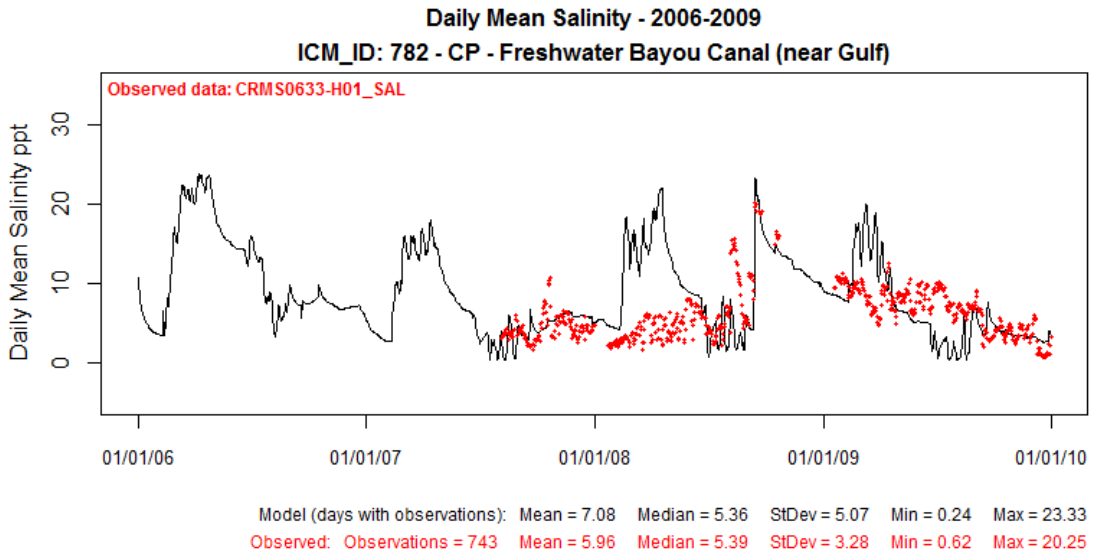

Figure 320: Modeled Salinity (ppt) at ICM Compartment 782 (solid black line) Compared to Observed Data at CRMS0633-H01 for Validation Period, 2006-2009.

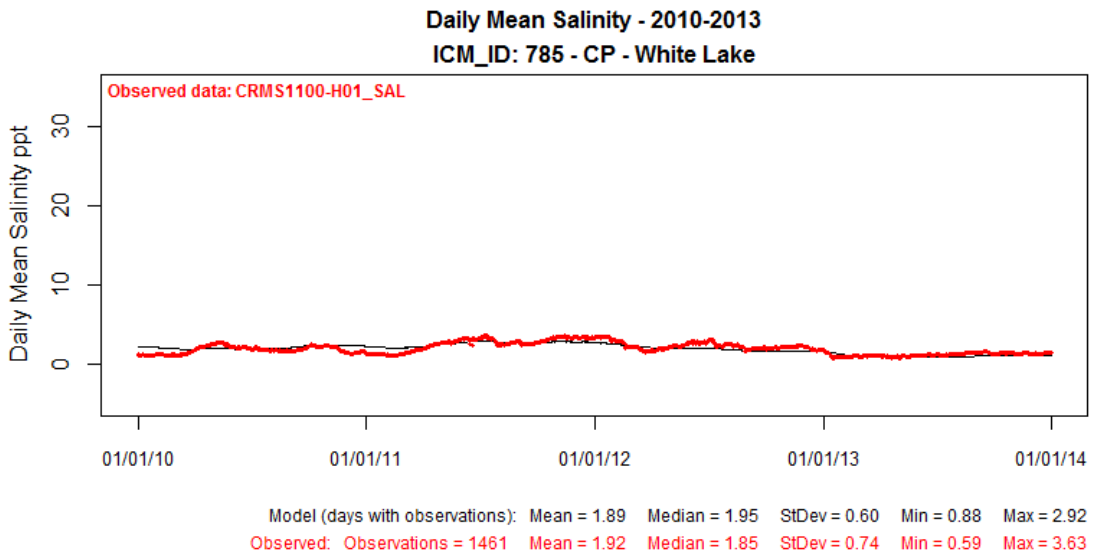

Figure 321: Modeled Salinity (ppt) at ICM Compartment 785 (solid black line) Compared to Observed Data at CRMS1100-H01 for Calibration Period, 2010-2013.

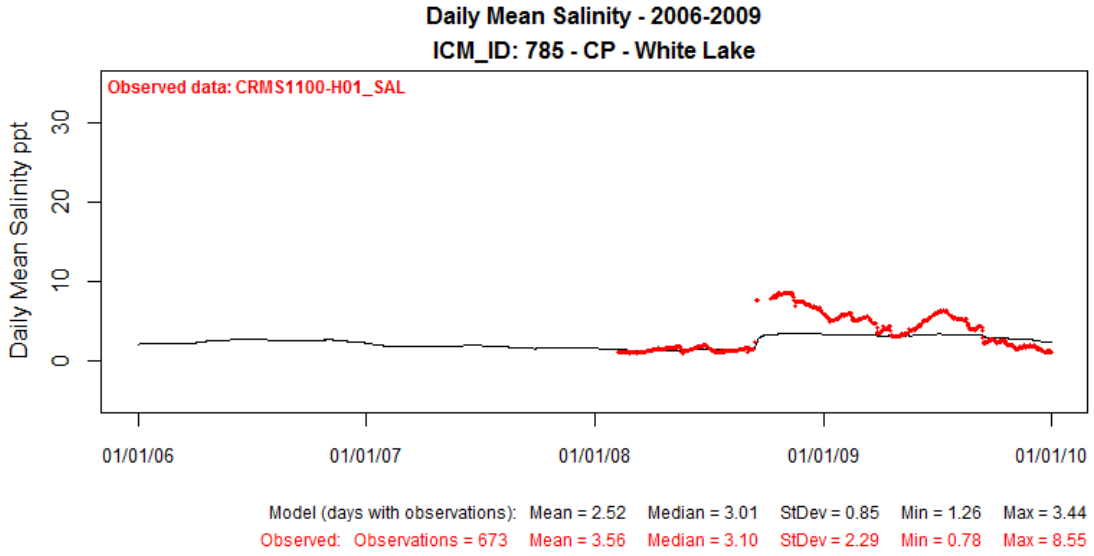

Figure 322: Modeled Salinity (ppt) at ICM Compartment 785 (solid black line) Compared to Observed Data at CRMS1100-H01 for Validation Period, 2006-2009.

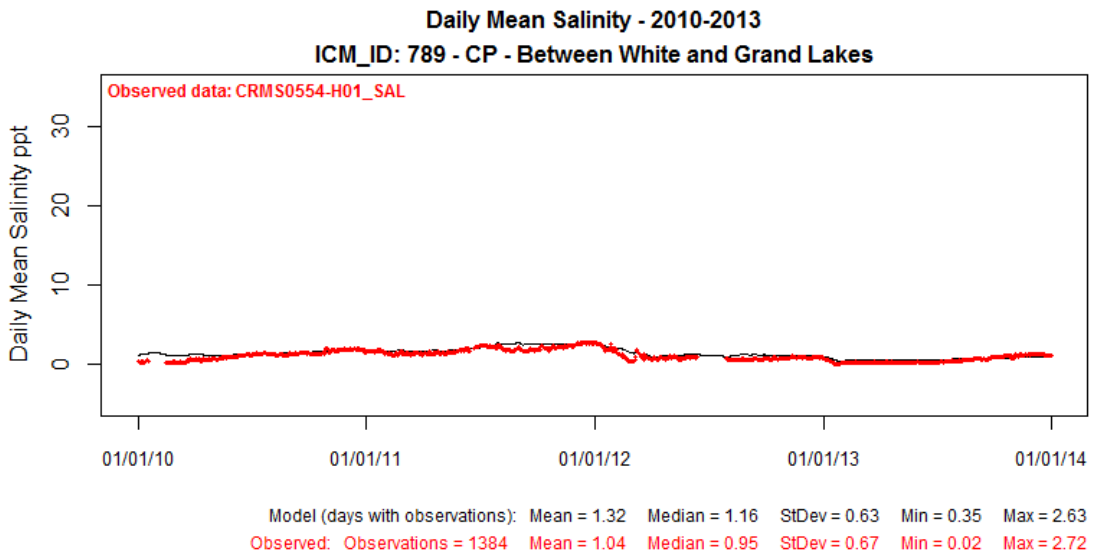

Figure 323: Modeled Salinity (ppt) at ICM Compartment 789 (solid black line) Compared to Observed Data at CRMS0554-H01 for Calibration Period, 2010-2013.

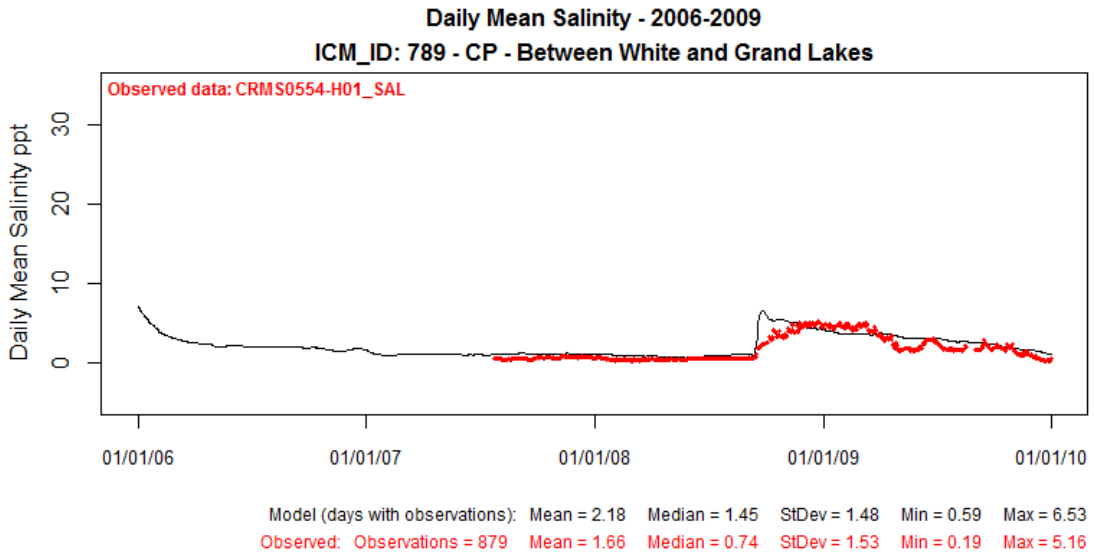

Figure 324: Modeled Salinity (ppt) at ICM Compartment 789 (solid black line) Compared to Observed Data at CRMS0554-H01 for Validation Period, 2006-2009.

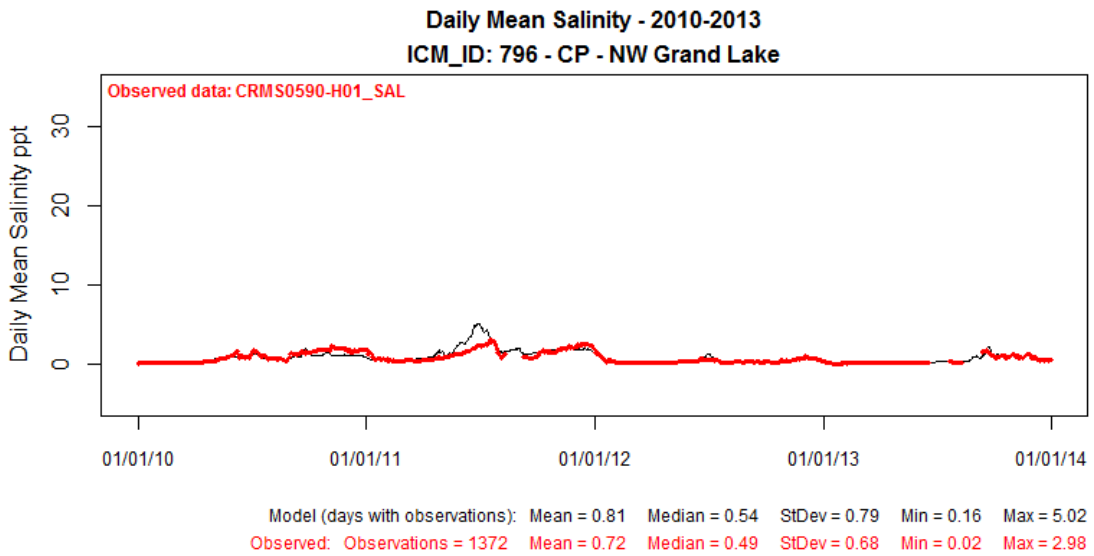

Figure 325: Modeled Salinity (ppt) at ICM Compartment 796 (solid black line) Compared to Observed Data at CRMS0590-H01 for Calibration Period, 2010-2013.

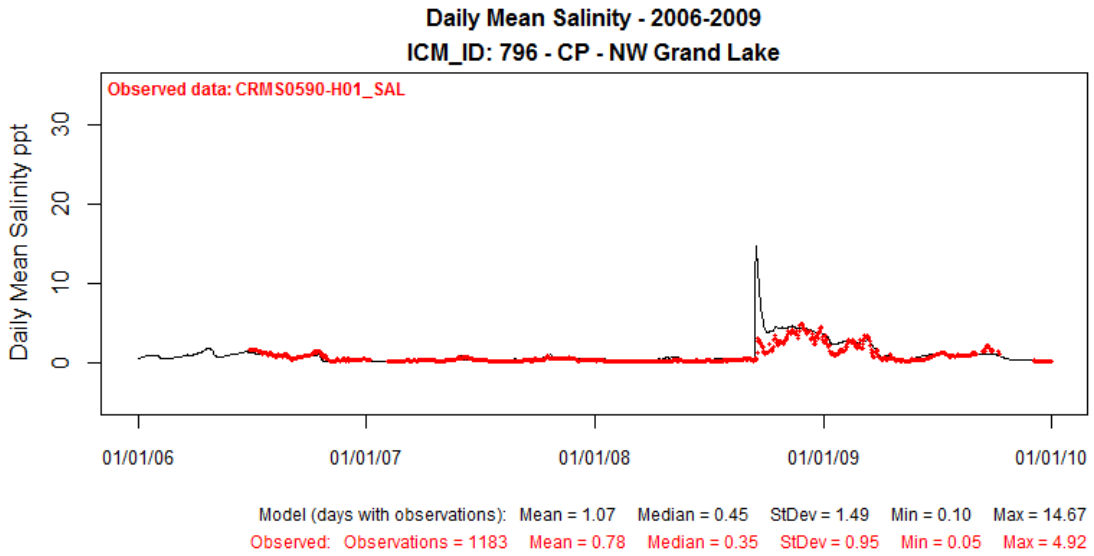

Figure 326: Modeled Salinity (ppt) at ICM Compartment 796 (solid black line) Compared to Observed Data at CRMS0590-H01 for Validation Period, 2006-2009.

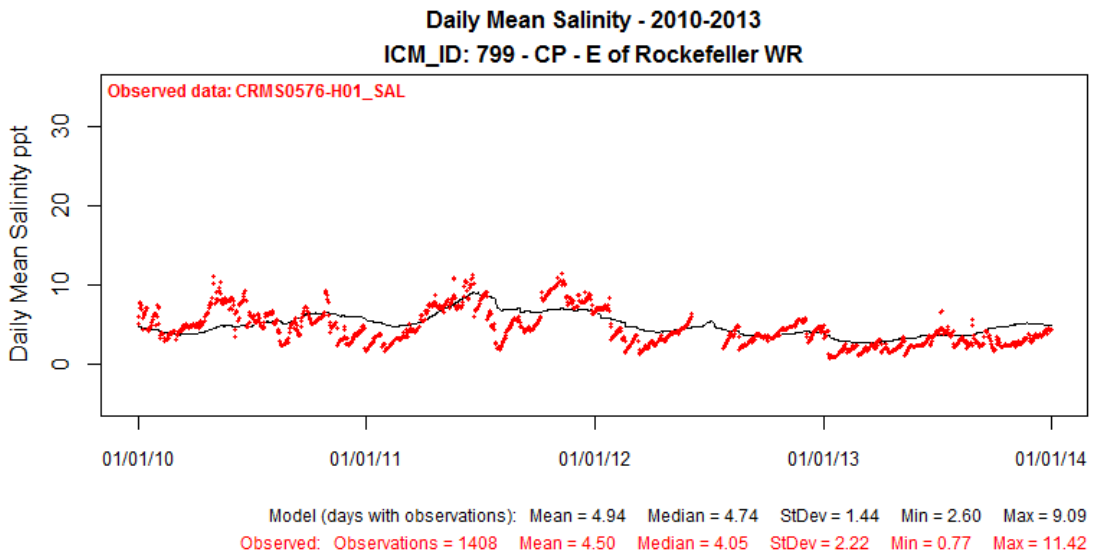

Figure 327: Modeled Salinity (ppt) at ICM Compartment 799 (solid black line) Compared to Observed Data at CRMS0576-H01 for Calibration Period, 2010-2013.

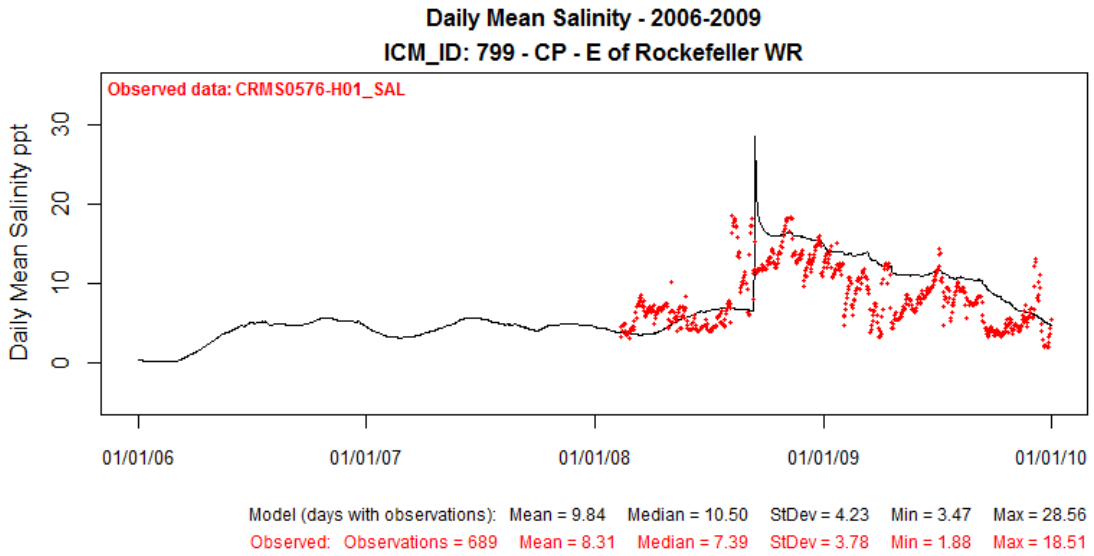

Figure 328: Modeled Salinity (ppt) at ICM Compartment 799 (solid black line) Compared to Observed Data at CRMS0576-H01 for Validation Period, 2006-2009.

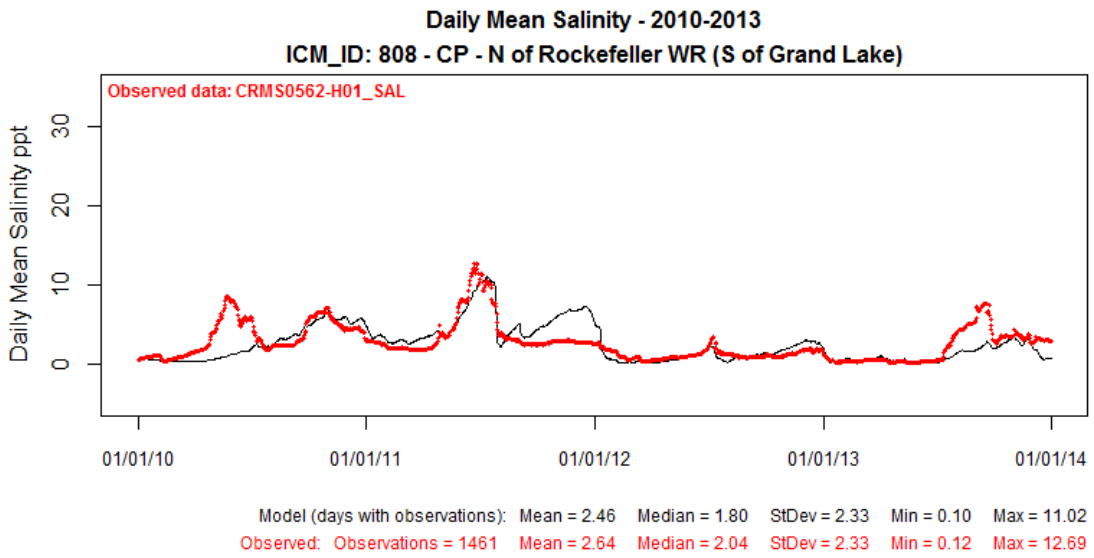

Figure 329: Modeled Salinity (ppt) at ICM Compartment 808 (solid black line) Compared to Observed Data at CRMS0562-H01 for Calibration Period, 2010-2013.

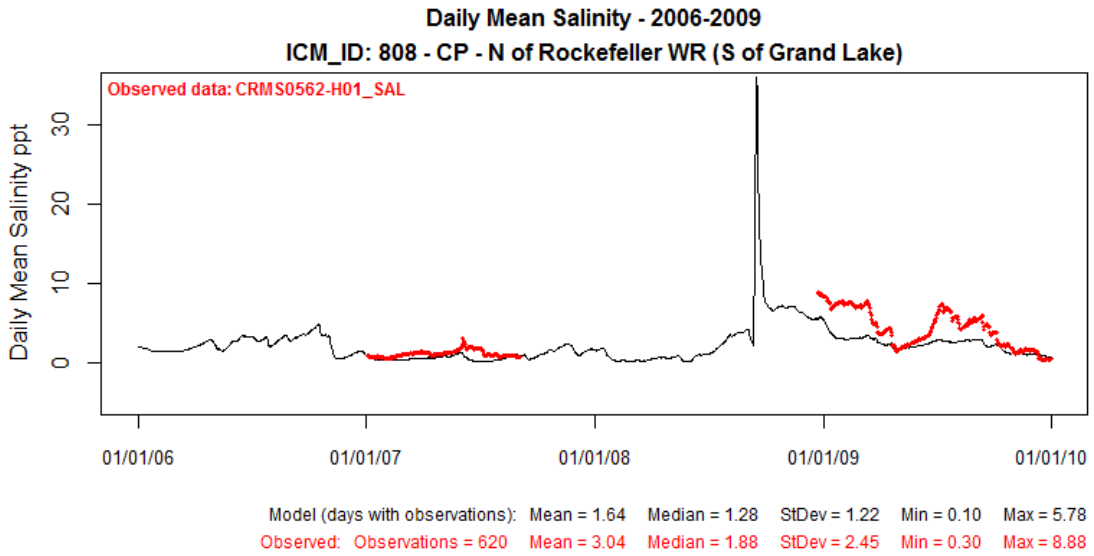

Figure 330: Modeled Salinity (ppt) at ICM Compartment 808 (solid black line) Compared to Observed Data at CRMS0562-H01 for Validation Period, 2006-2009.

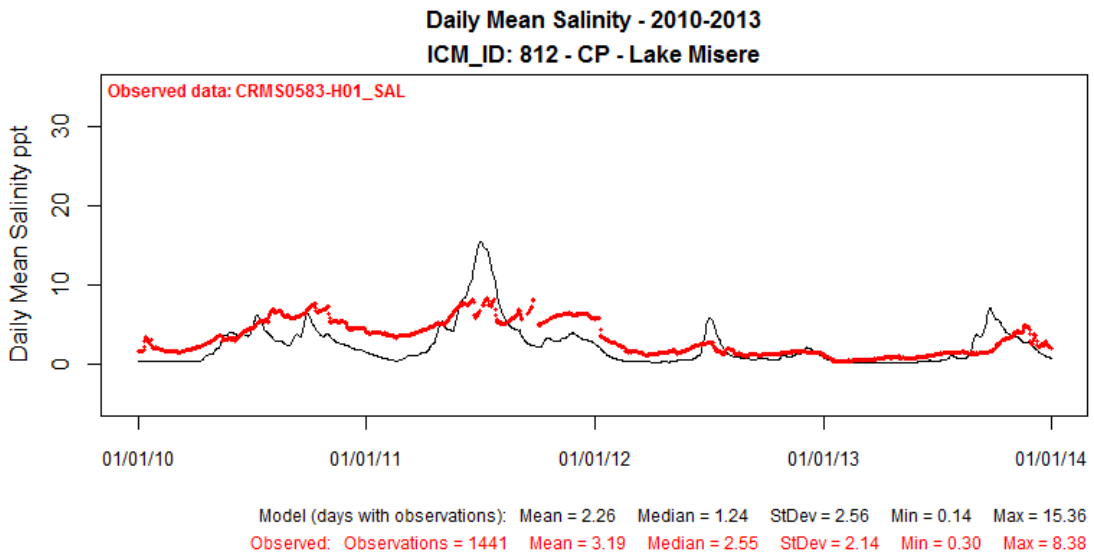

Figure 331: Modeled Salinity (ppt) at ICM Compartment 812 (solid black line) Compared to Observed Data at CRMS0583-H01 for Calibration Period, 2010-2013.

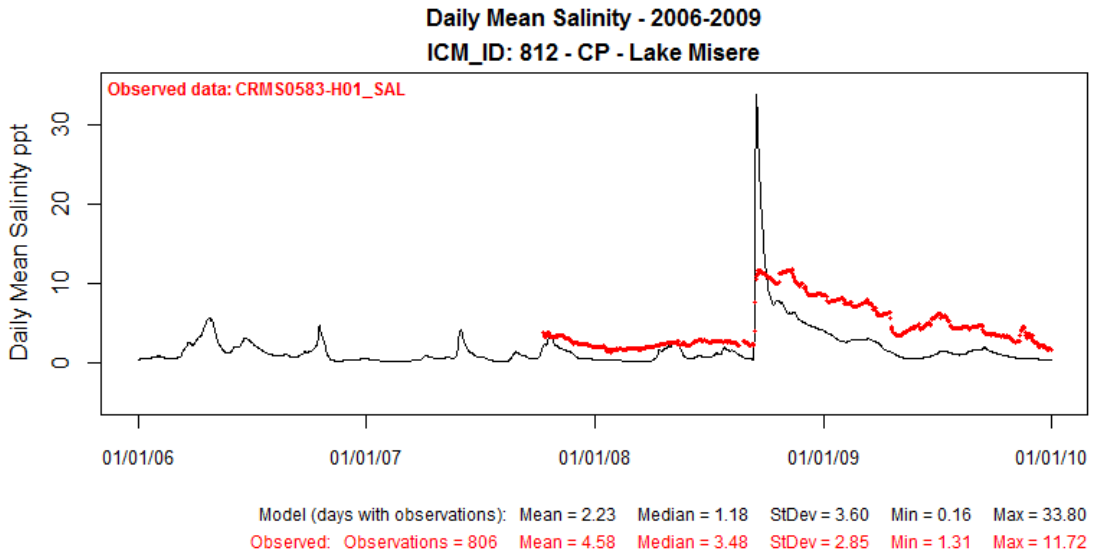

Figure 332: Modeled Salinity (ppt) at ICM Compartment 812 (solid black line) Compared to Observed Data at CRMS0583-H01 for Validation Period, 2006-2009.

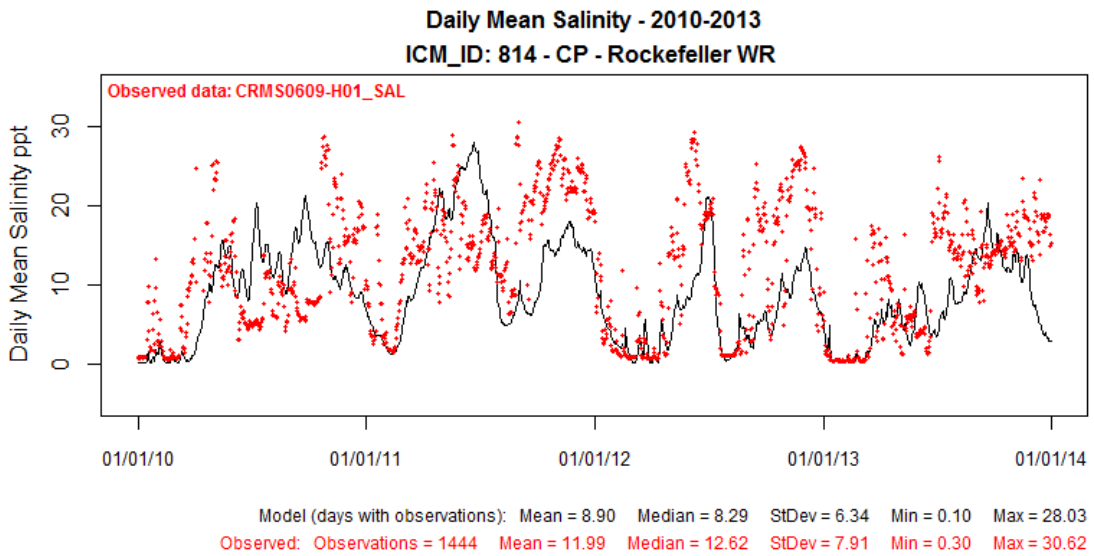

Figure 333: Modeled Salinity (ppt) at ICM Compartment 814 (solid black line) Compared to Observed Data at CRMS0609-H01 for Calibration Period, 2010-2013.

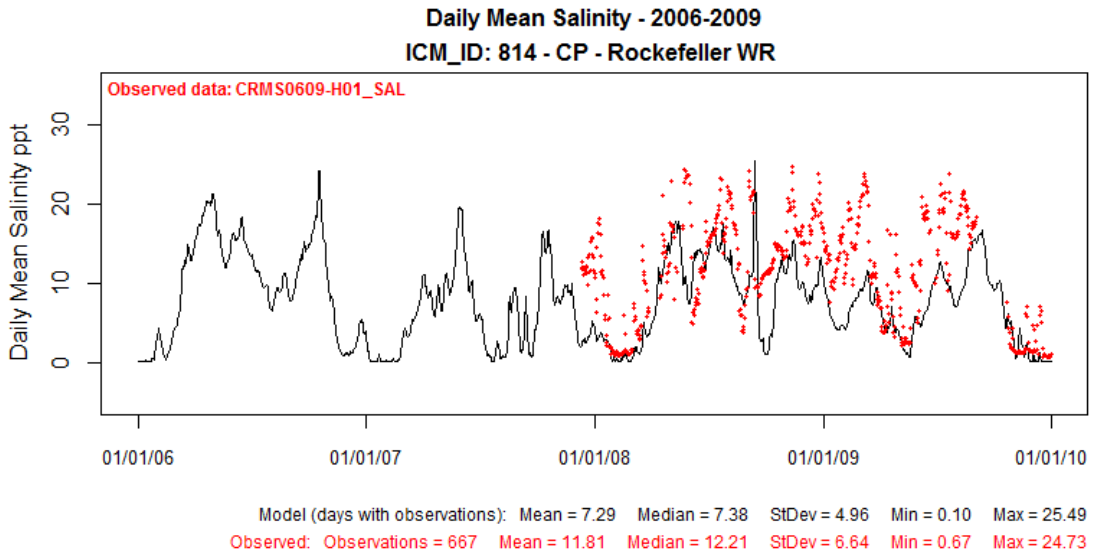

Figure 334: Modeled Salinity (ppt) at ICM Compartment 814 (solid black line) Compared to Observed Data at CRMS0609-H01 for Validation Period, 2006-2009.

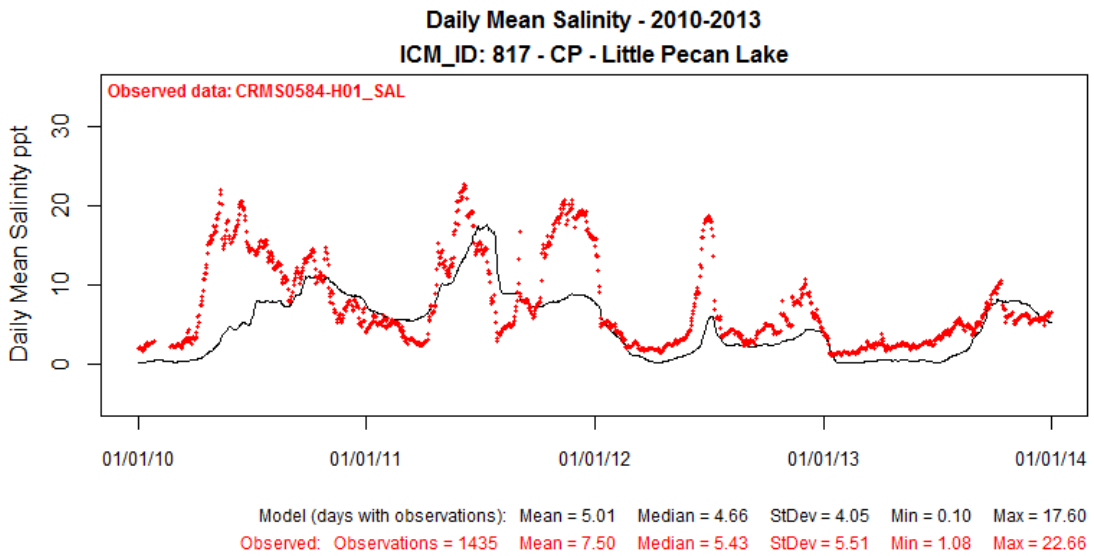

Figure 335: Modeled Salinity (ppt) at ICM Compartment 817 (solid black line) Compared to Observed Data at CRMS0584-H01 for Calibration Period, 2010-2013.

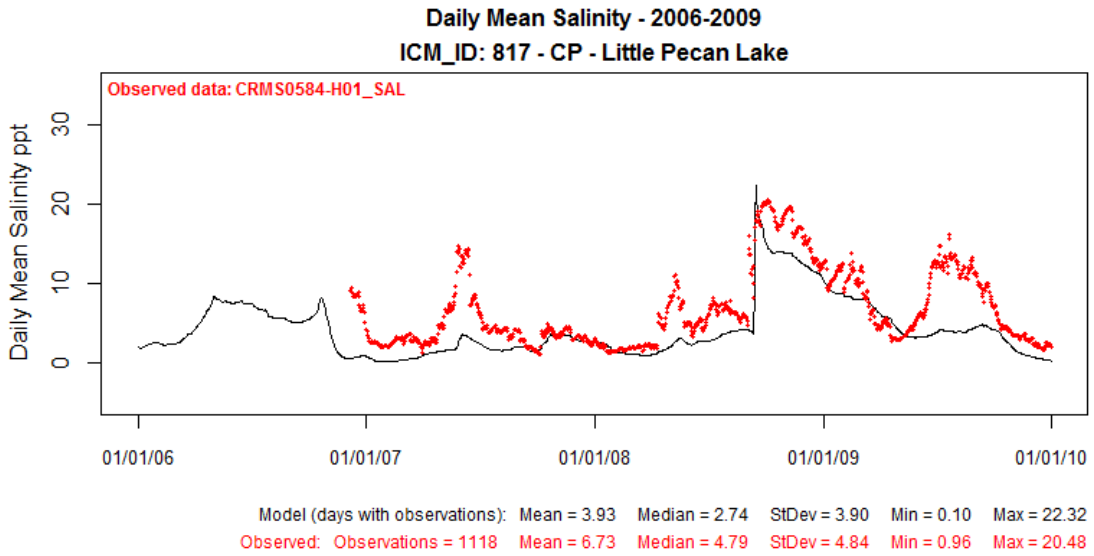

Figure 336: Modeled Salinity (ppt) at ICM Compartment 817 (solid black line) Compared to Observed Data at CRMS0584-H01 for Validation Period, 2006-2009.

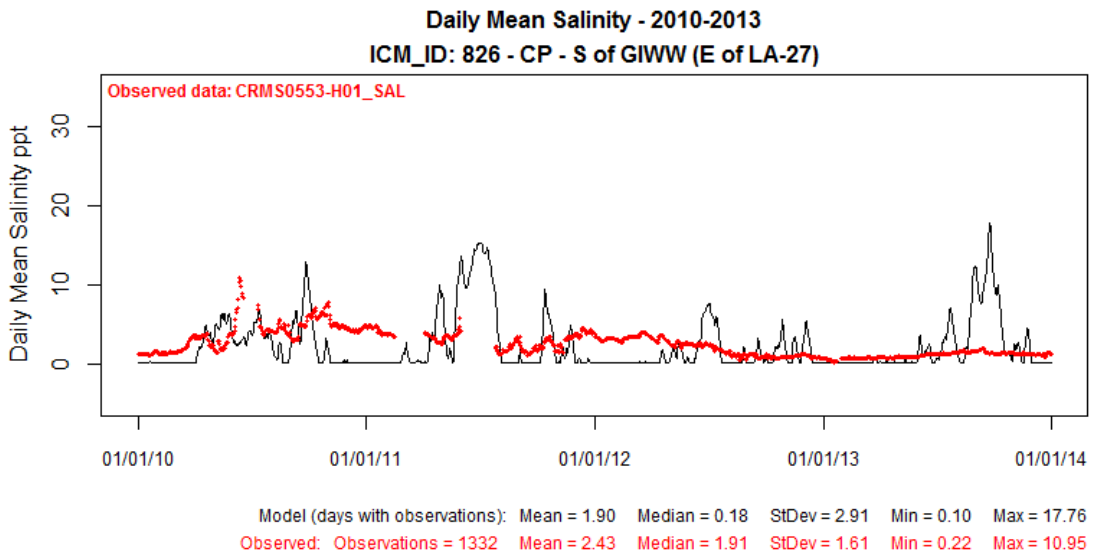

Figure 337: Modeled Salinity (ppt) at ICM Compartment 826 (solid black line) Compared to Observed Data at CRMS0553-H01 for Calibration Period, 2010-2013.

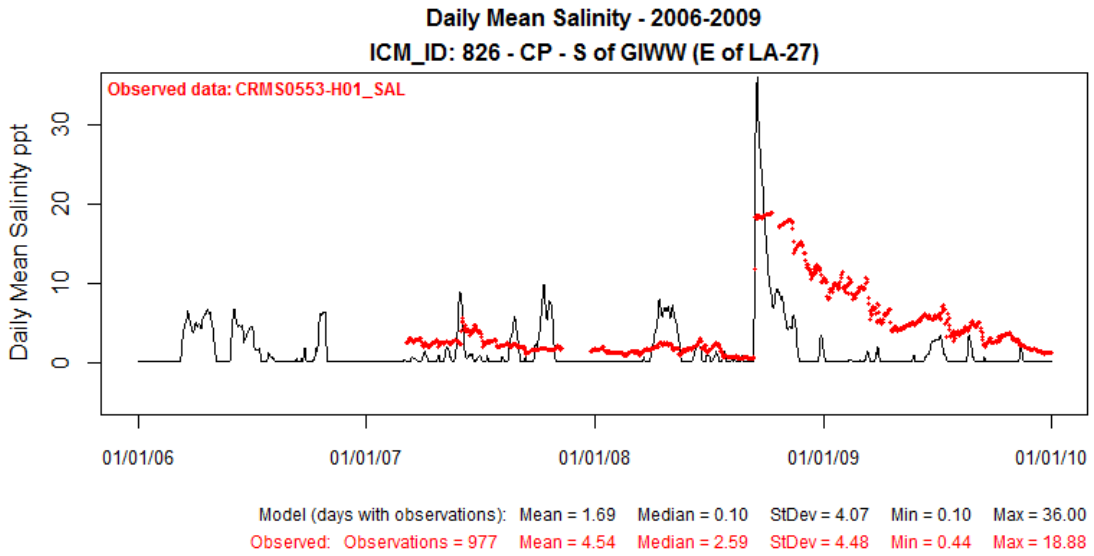

Figure 338: Modeled Salinity (ppt) at ICM Compartment 826 (solid black line) Compared to Observed Data at CRMS0553-H01 for Validation Period, 2006-2009.

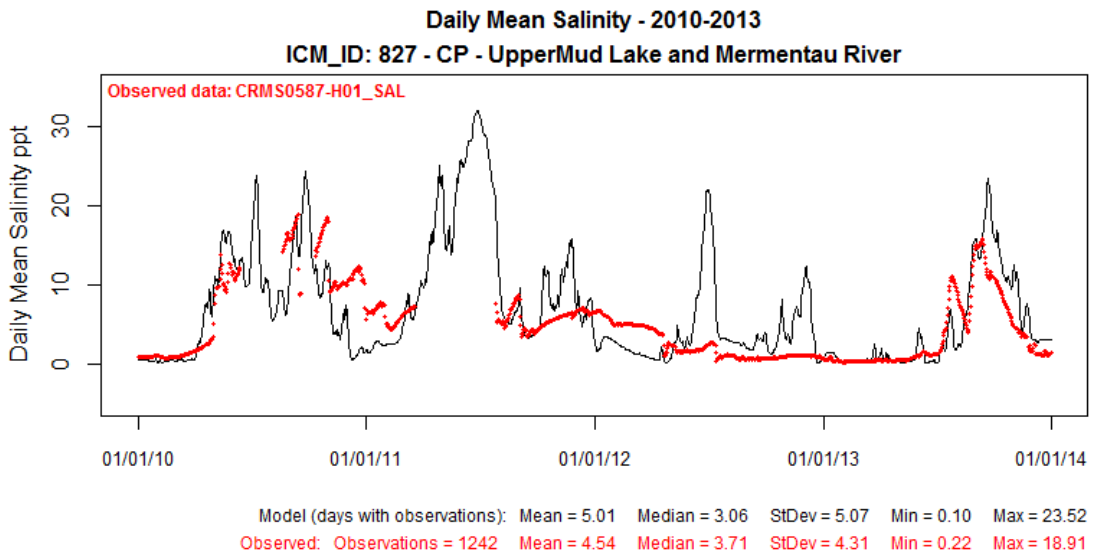

Figure 339: Modeled Salinity (ppt) at ICM Compartment 827 (solid black line) Compared to Observed Data at CRMS0587-H01 for Calibration Period, 2010-2013.

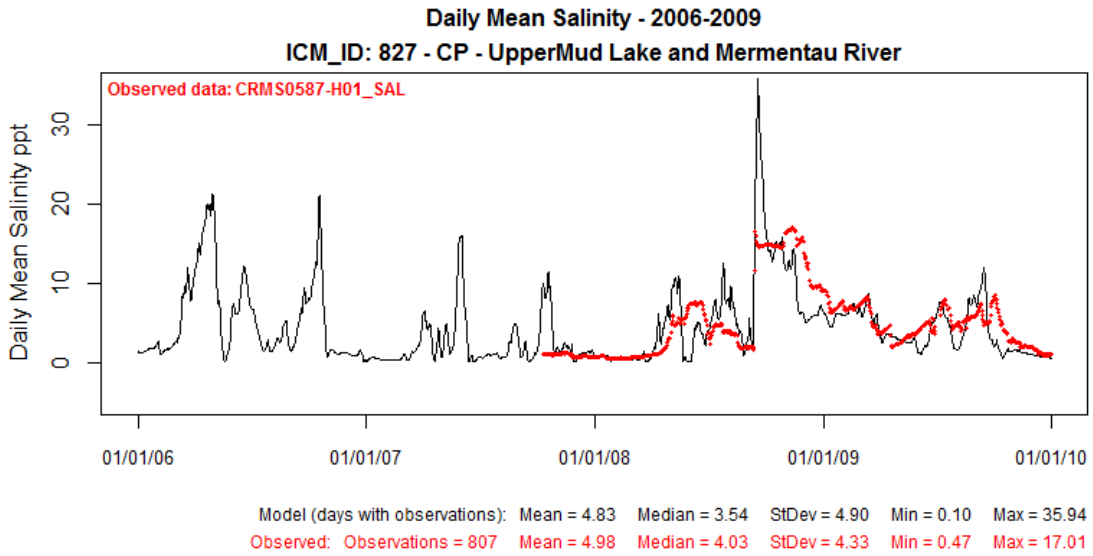

Figure 340: Modeled Salinity (ppt) at ICM Compartment 827 (solid black line) Compared to Observed Data at CRMS0587-H01 for Validation Period, 2006-2009.

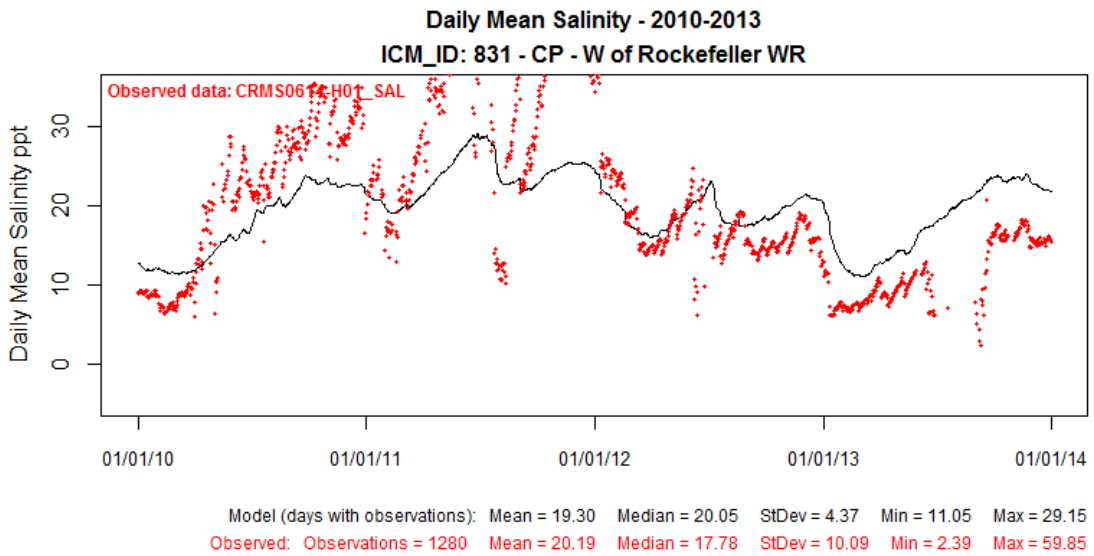

Figure 341: Modeled Salinity (ppt) at ICM Compartment 831 (solid black line) Compared to Observed Data at CRMS0614-H01 for Calibration Period, 2010-2013.

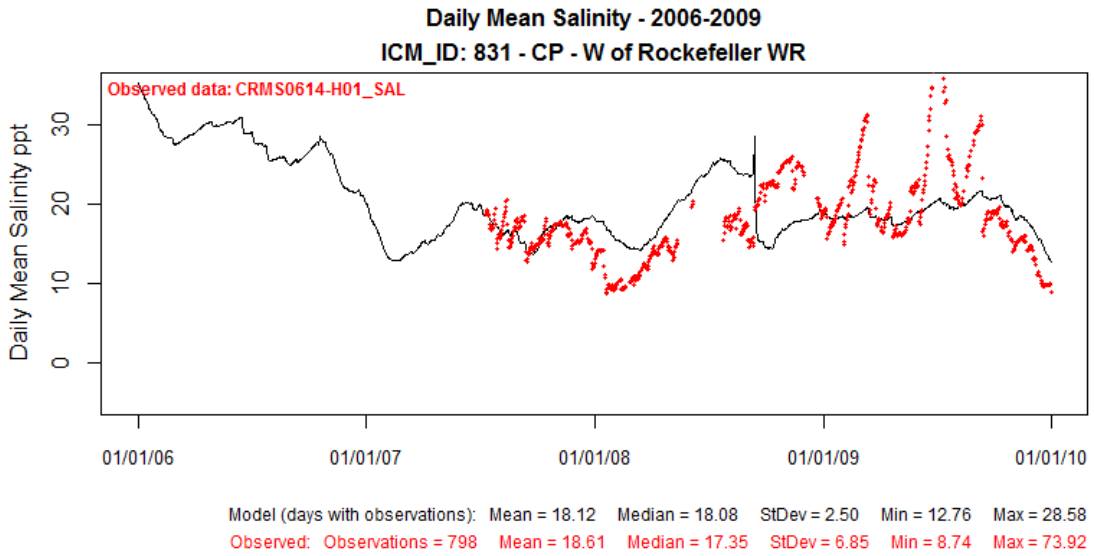

Figure 342: Modeled Salinity (ppt) at ICM Compartment 831 (solid black line) Compared to Observed Data at CRMS0614-H01 for Validation Period, 2006-2009.

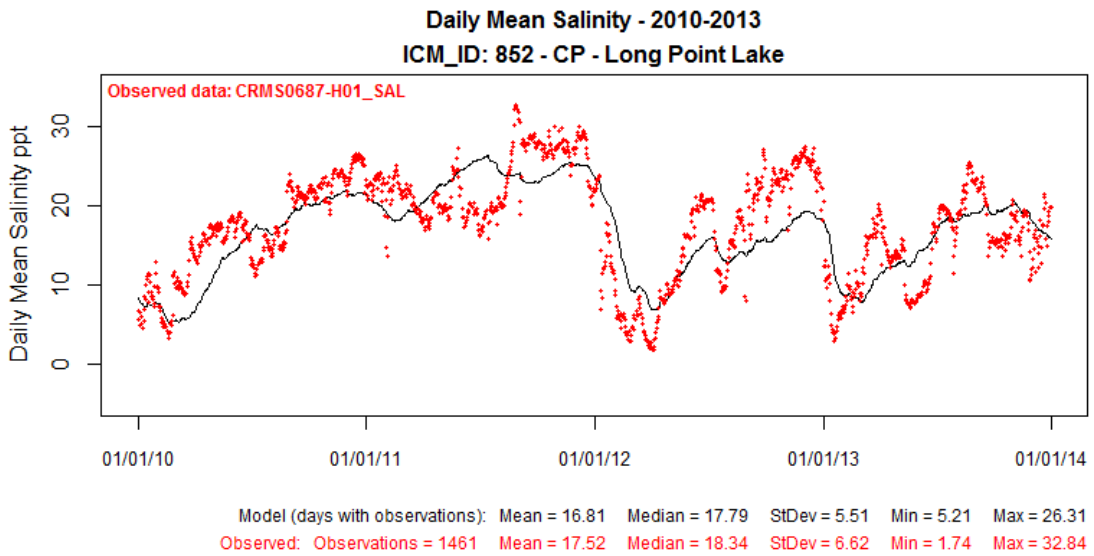

Figure 343: Modeled Salinity (ppt) at ICM Compartment 852 (solid black line) Compared to Observed Data at CRMS0687-H01 for Calibration Period, 2010-2013.

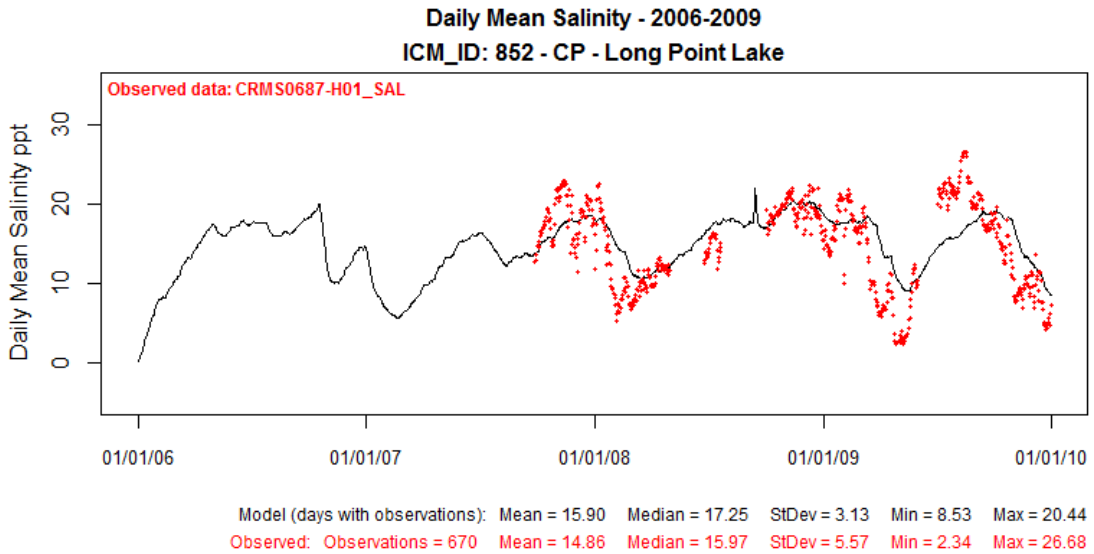

Figure 344: Modeled Salinity (ppt) at ICM Compartment 852 (solid black line) Compared to Observed Data at CRMS0687-H01 for Validation Period, 2006-2009.

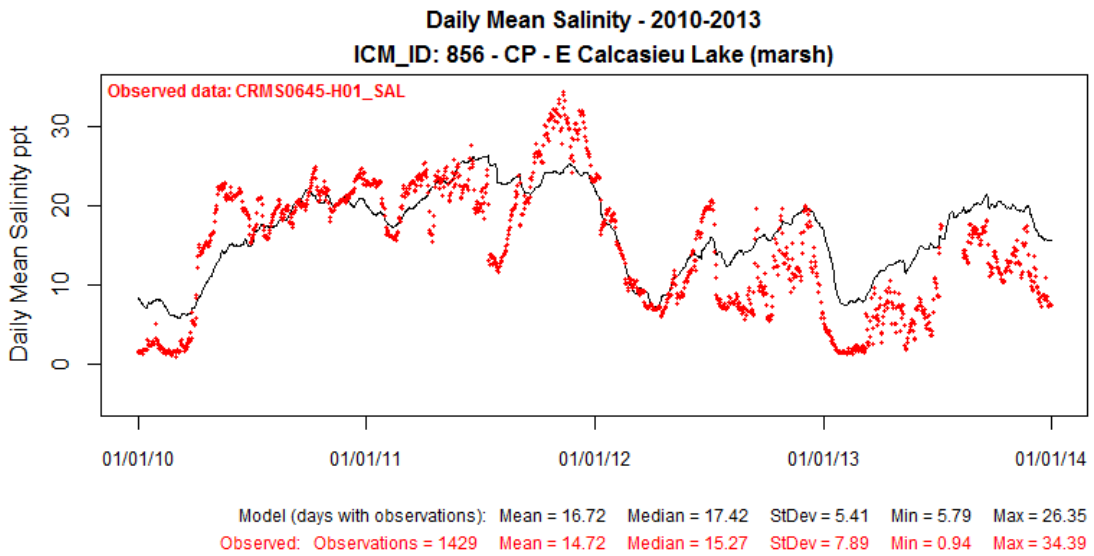

Figure 345: Modeled Salinity (ppt) at ICM Compartment 856 (solid black line) Compared to Observed Data at CRMS0645-H01 for Calibration Period, 2010-2013.

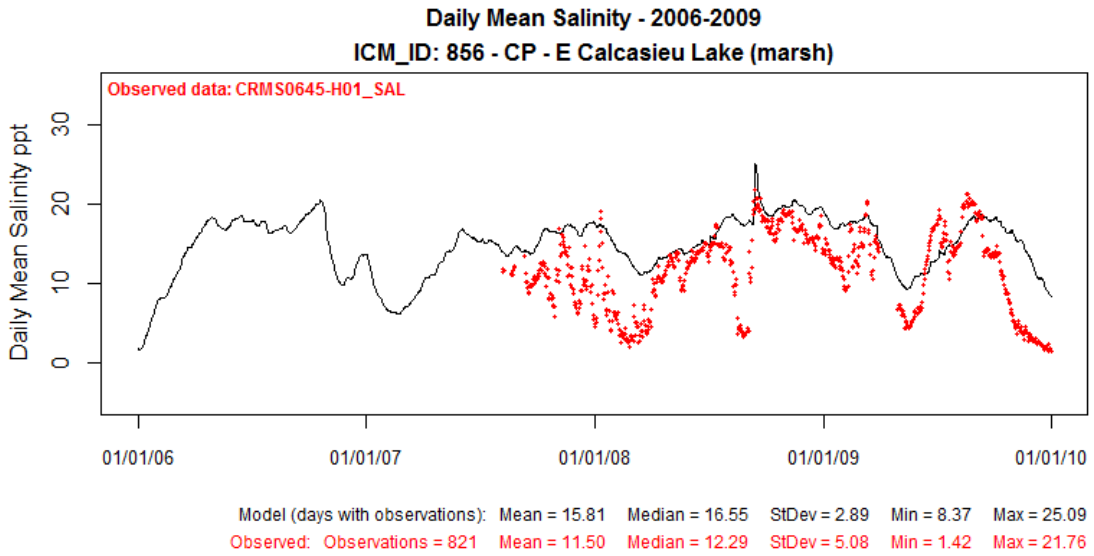

Figure 346: Modeled Salinity (ppt) at ICM Compartment 856 (solid black line) Compared to Observed Data at CRMS0645-H01 for Validation Period, 2006-2009.

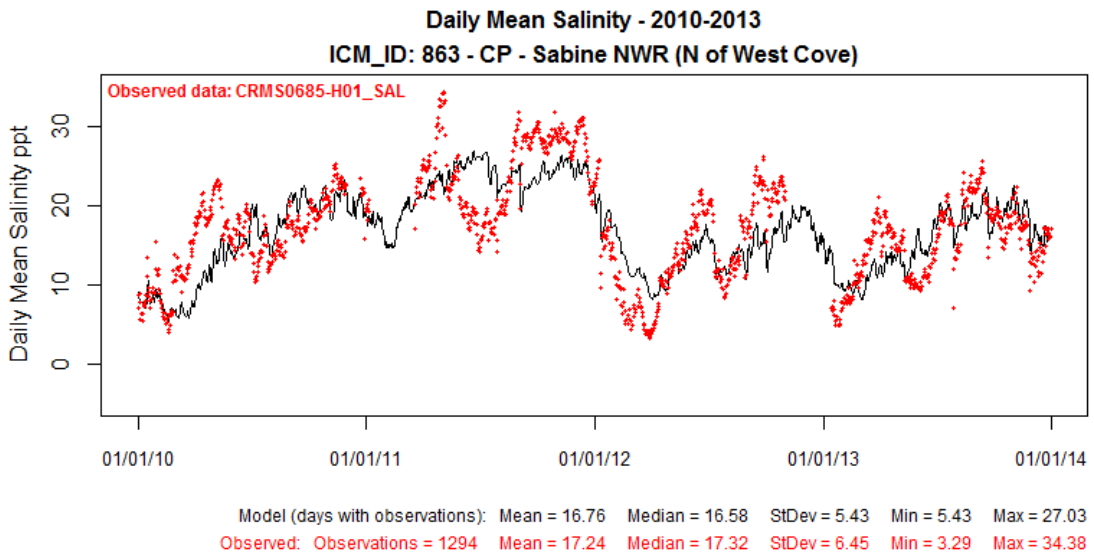

Figure 347: Modeled Salinity (ppt) at ICM Compartment 863 (solid black line) Compared to Observed Data at CRMS0685-H01 for Calibration Period, 2010-2013.

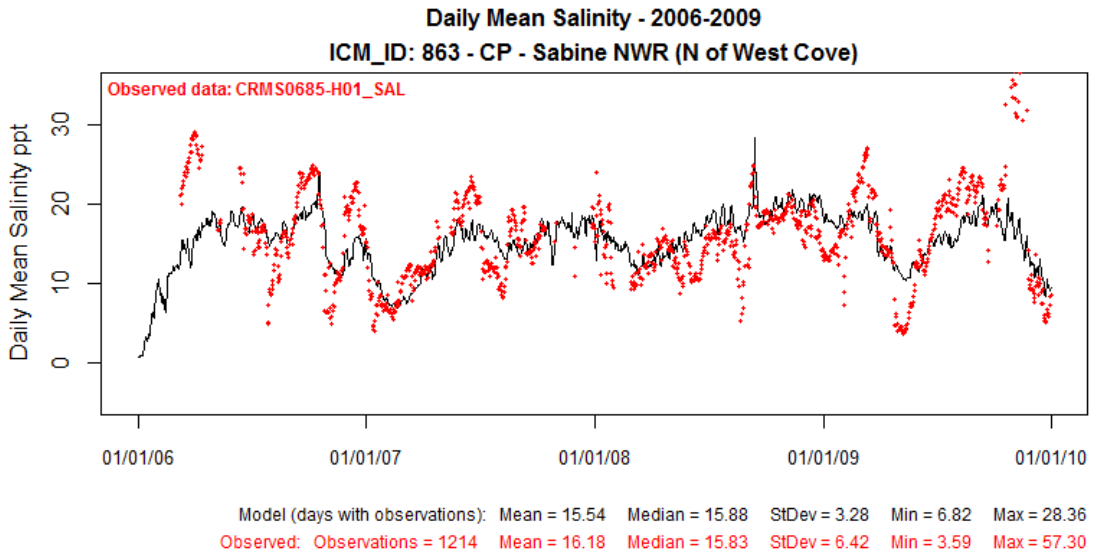

Figure 348: Modeled Salinity (ppt) at ICM Compartment 863 (solid black line) Compared to Observed Data at CRMS0685-H01 for Validation Period, 2006-2009.

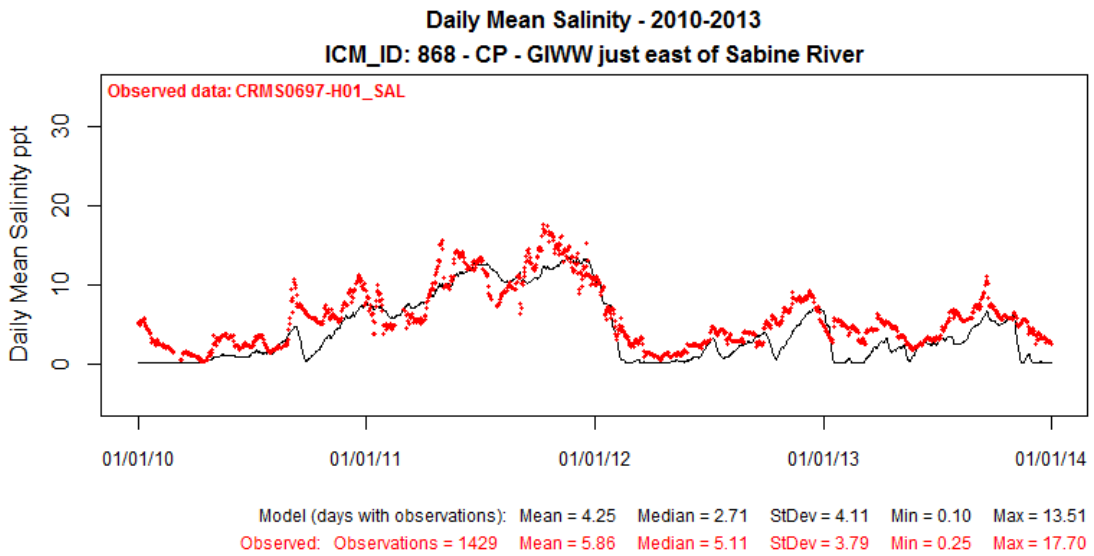

Figure 349: Modeled Salinity (ppt) at ICM Compartment 868 (solid black line) Compared to Observed Data at CRMS0697-H01 for Calibration Period, 2010-2013.

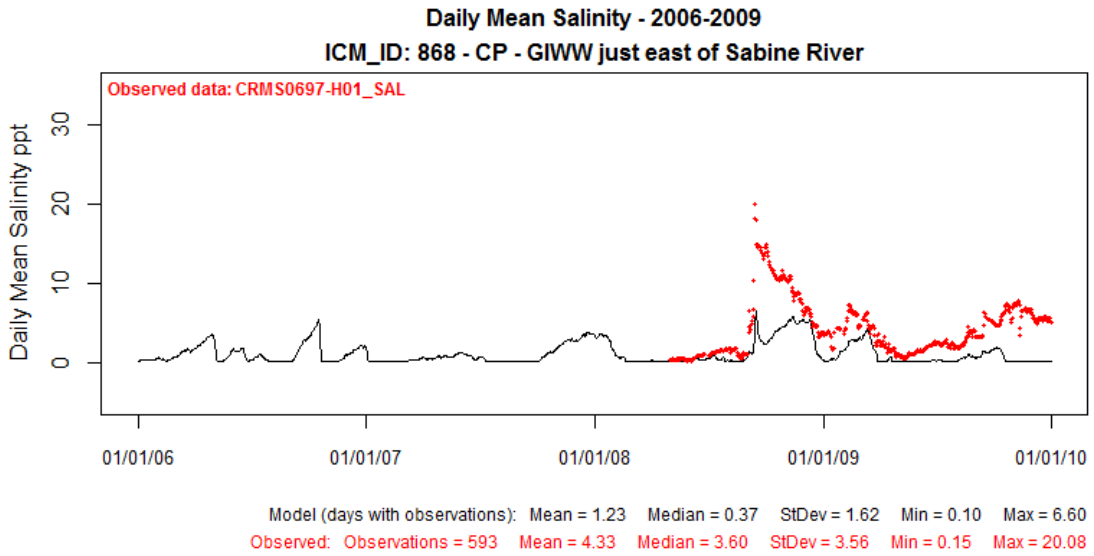

Figure 350: Modeled Salinity (ppt) at ICM Compartment 868 (solid black line) Compared to Observed Data at CRMS0697-H01 for Validation Period, 2006-2009.

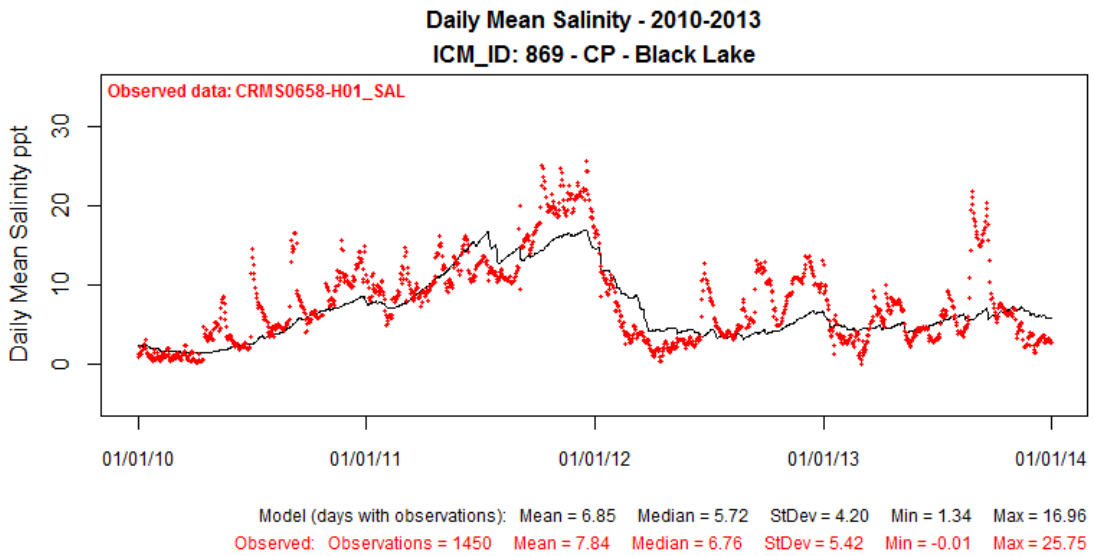

Figure 351: Modeled Salinity (ppt) at ICM Compartment 869 (solid black line) Compared to Observed Data at CRMS0658-H01 for Calibration Period, 2010-2013.

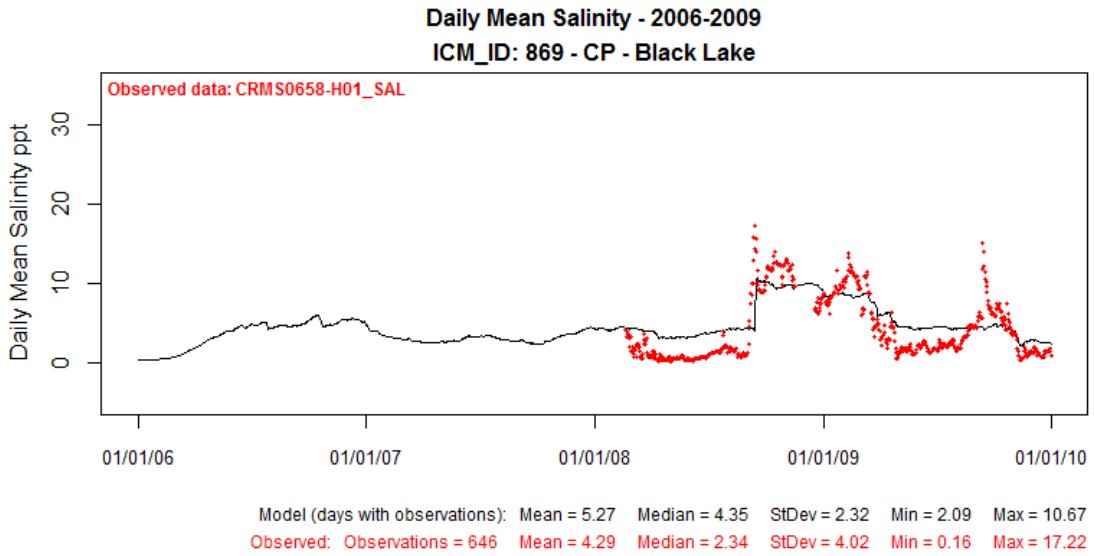

Figure 352: Modeled Salinity (ppt) at ICM Compartment 869 (solid black line) Compared to Observed Data at CRMS0658-H01 for Validation Period, 2006-2009.

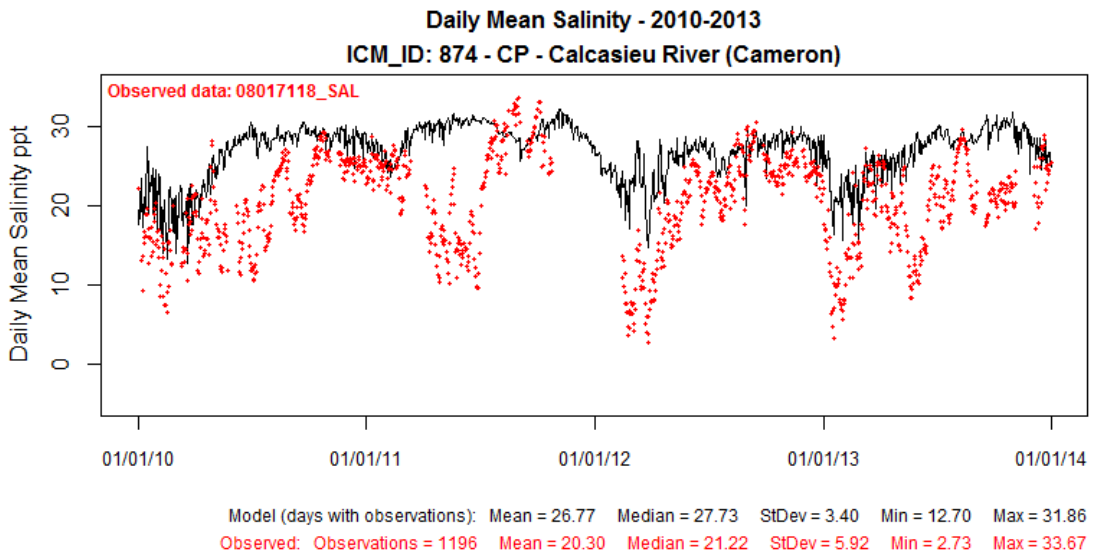

Figure 353: Modeled Salinity (ppt) at ICM Compartment 874 (solid black line) Compared to Observed Data at USGS08017118 for Calibration Period, 2010-2013.

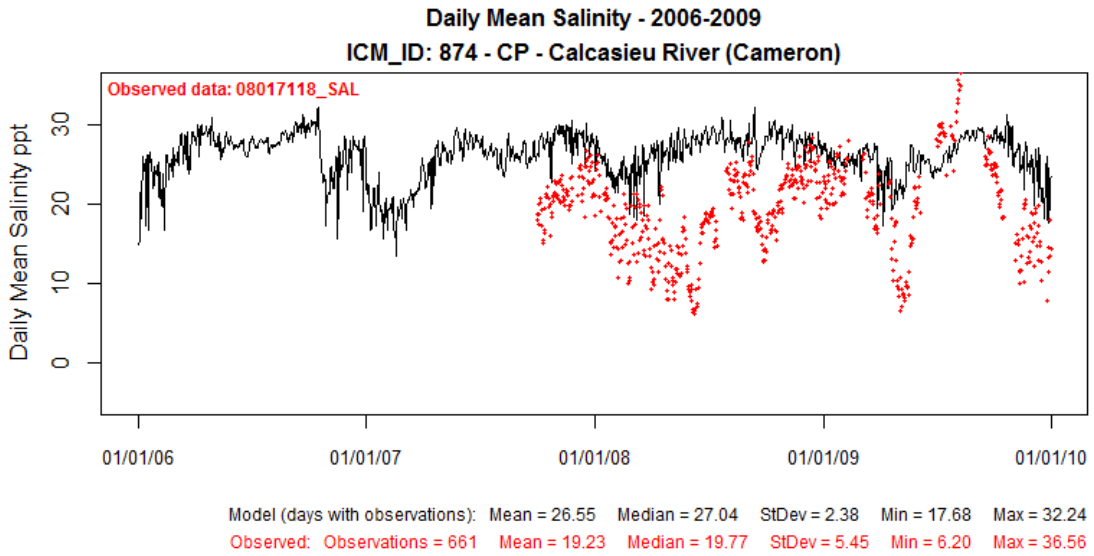

Figure 354: Modeled Salinity (ppt) at ICM Compartment 874 (solid black line) Compared to Observed Data at USGS08017118 for Validation Period, 2006-2009.

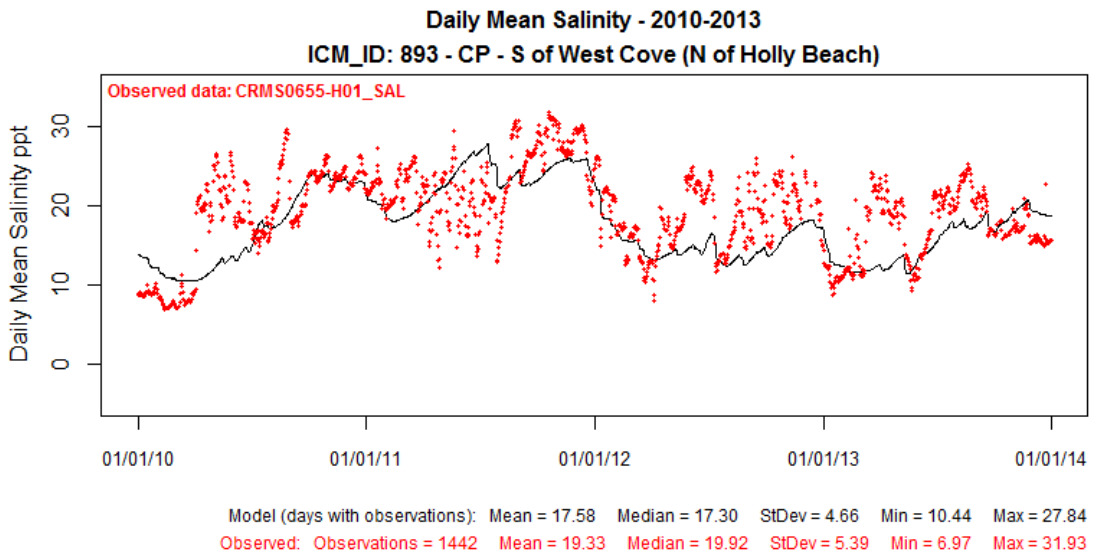

Figure 355: Modeled Salinity (ppt) at ICM Compartment 893 (solid black line) Compared to Observed Data at CRMS0655-H01 for Calibration Period, 2010-2013.

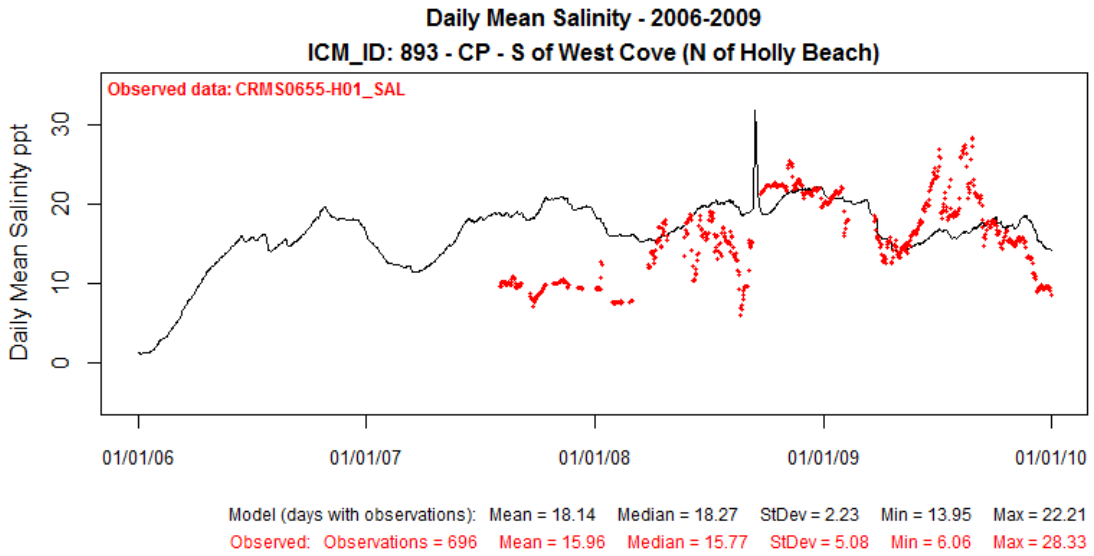

Figure 356: Modeled Salinity (ppt) at ICM Compartment 893 (solid black line) Compared to Observed Data at CRMS0655-H01 for Validation Period, 2006-2009.

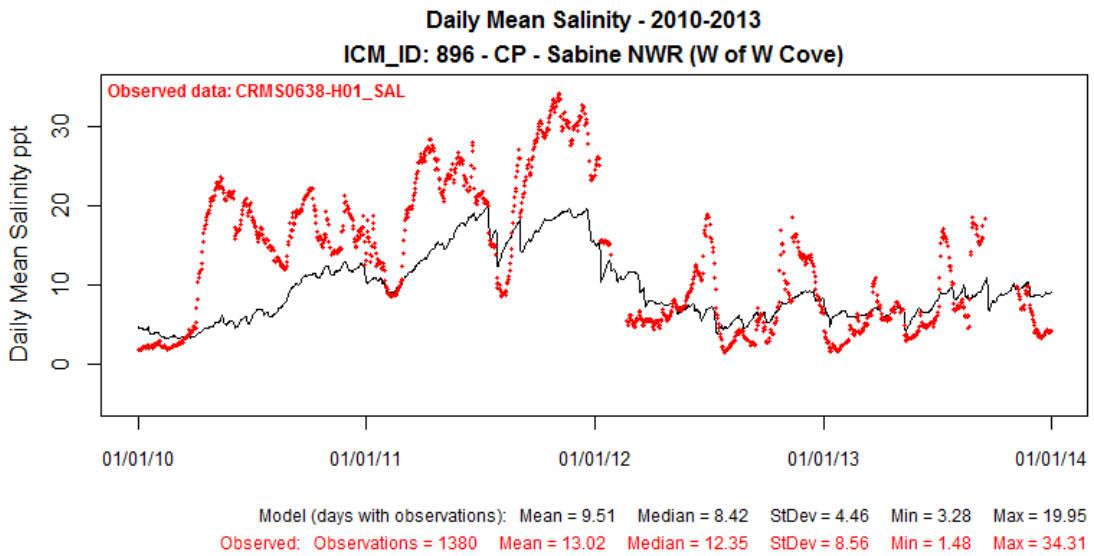

Figure 357: Modeled Salinity (ppt) at ICM Compartment 896 (solid black line) Compared to Observed Data at CRMS0638-H01 for Calibration Period, 2010-2013.

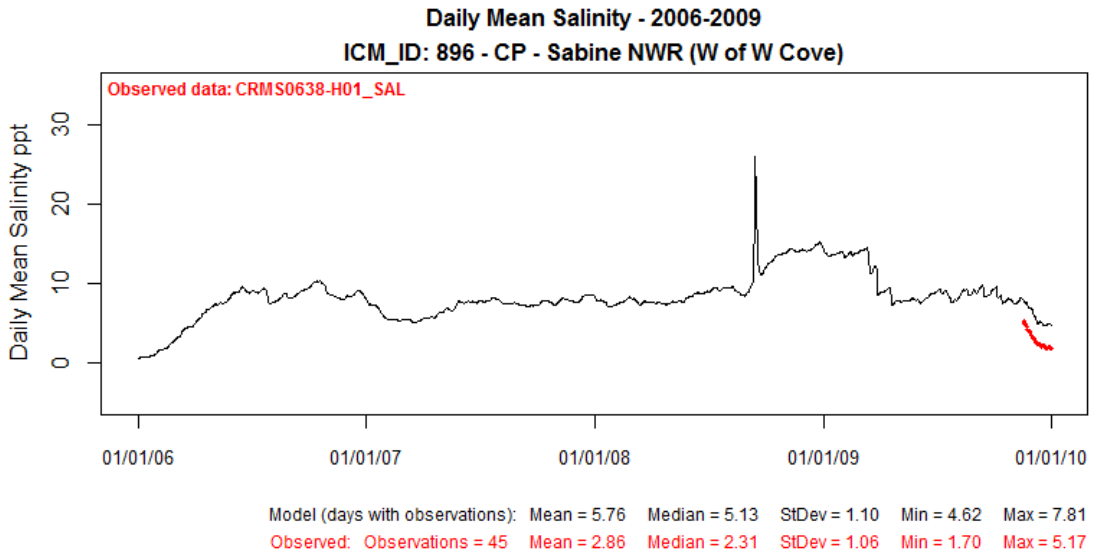

Figure 358: Modeled Salinity (ppt) at ICM Compartment 896 (solid black line) Compared to Observed Data at CRMS0638-H01 for Validation Period, 2006-2009.

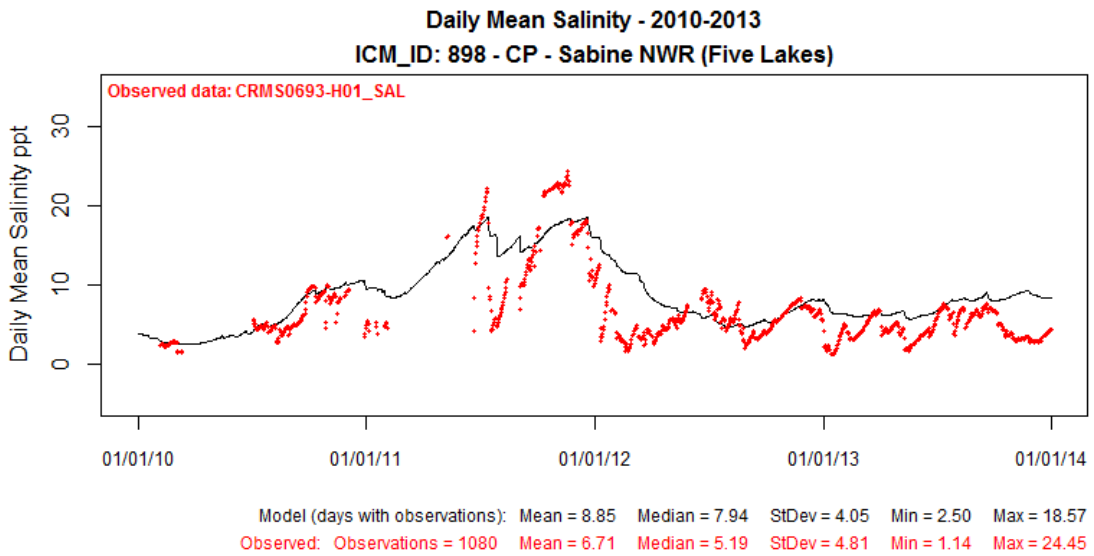

Figure 359: Modeled Salinity (ppt) at ICM Compartment 898 (solid black line) Compared to Observed Data at CRMS0693-H01 for Calibration Period, 2010-2013.

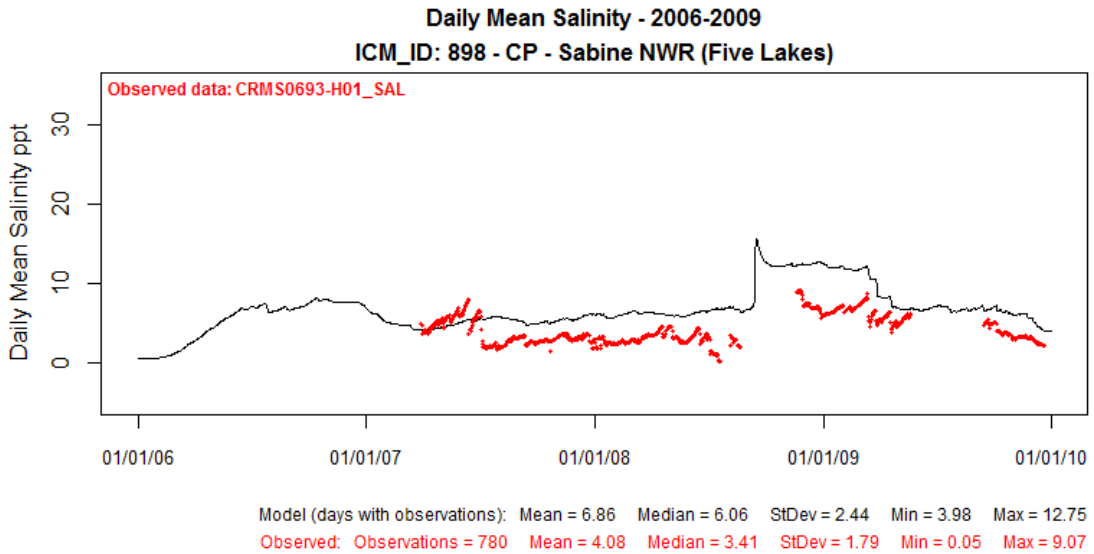

Figure 360: Modeled Salinity (ppt) at ICM Compartment 898 (solid black line) Compared to Observed Data at CRMS0693-H01 for Validation Period, 2006-2009.

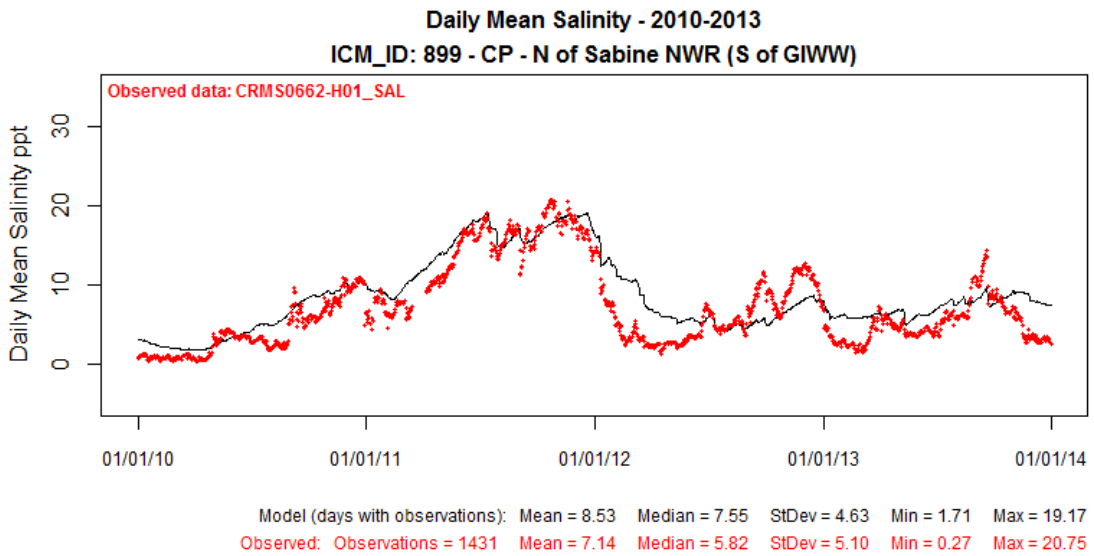

Figure 361: Modeled Salinity (ppt) at ICM Compartment 899 (solid black line) Compared to Observed Data at CRMS0662-H01 for Calibration Period, 2010-2013.

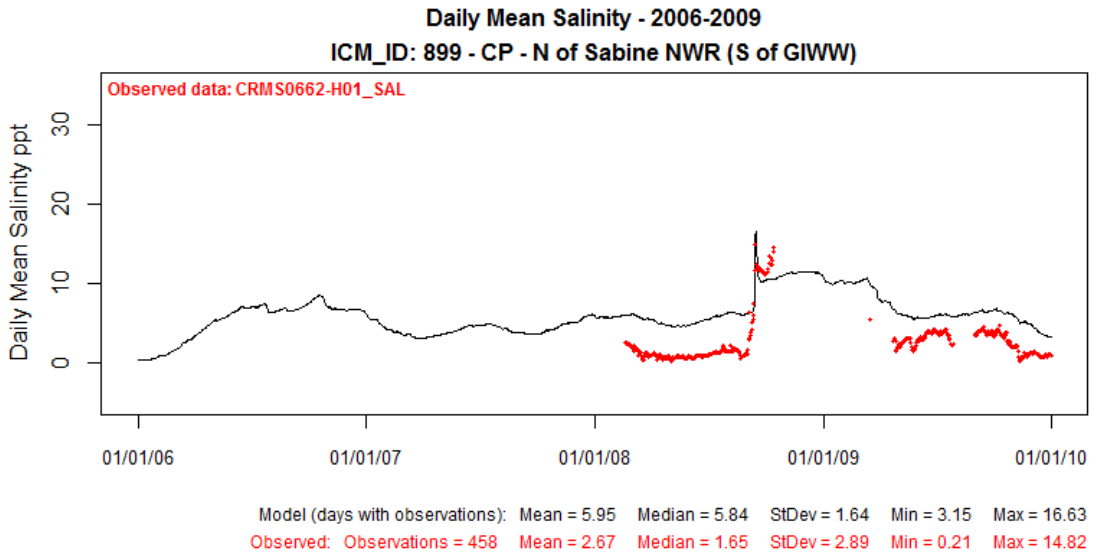

Figure 362: Modeled Salinity (ppt) at ICM Compartment 899 (solid black line) Compared to Observed Data at CRMS0662-H01 for Validation Period, 2006-2009.

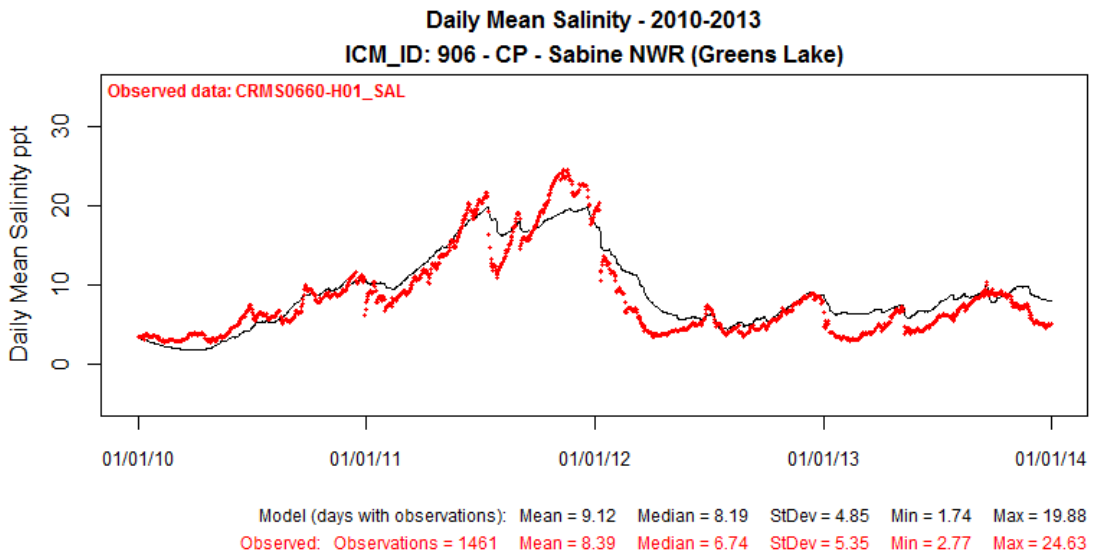

Figure 363: Modeled Salinity (ppt) at ICM Compartment 906 (solid black line) Compared to Observed Data at CRMS0660-H01 for Calibration Period, 2010-2013.

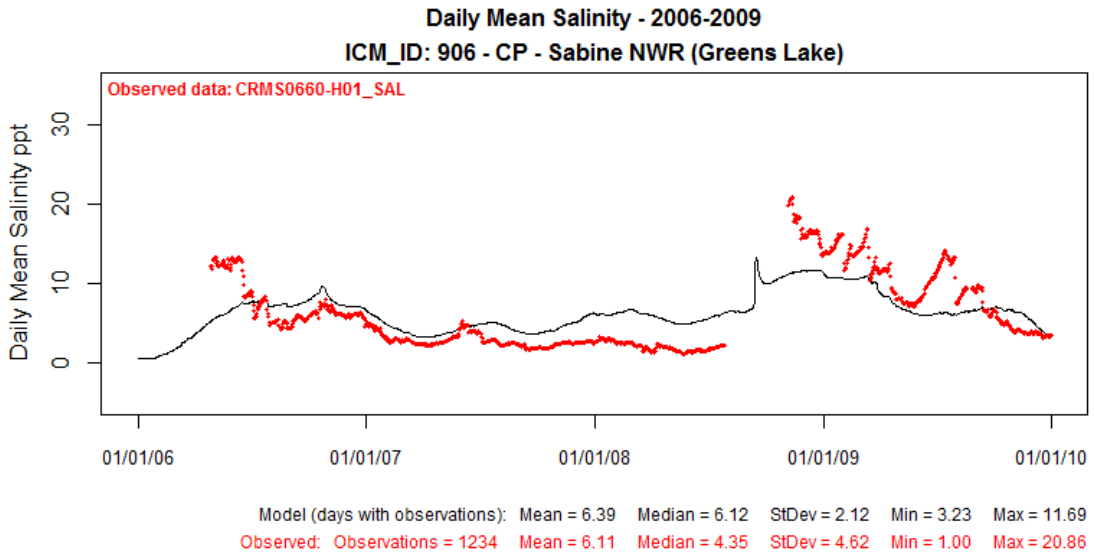

Figure 364: Modeled Salinity (ppt) at ICM Compartment 906 (solid black line) Compared to Observed Data at CRMS0660-H01 for Validation Period, 2006-2009.

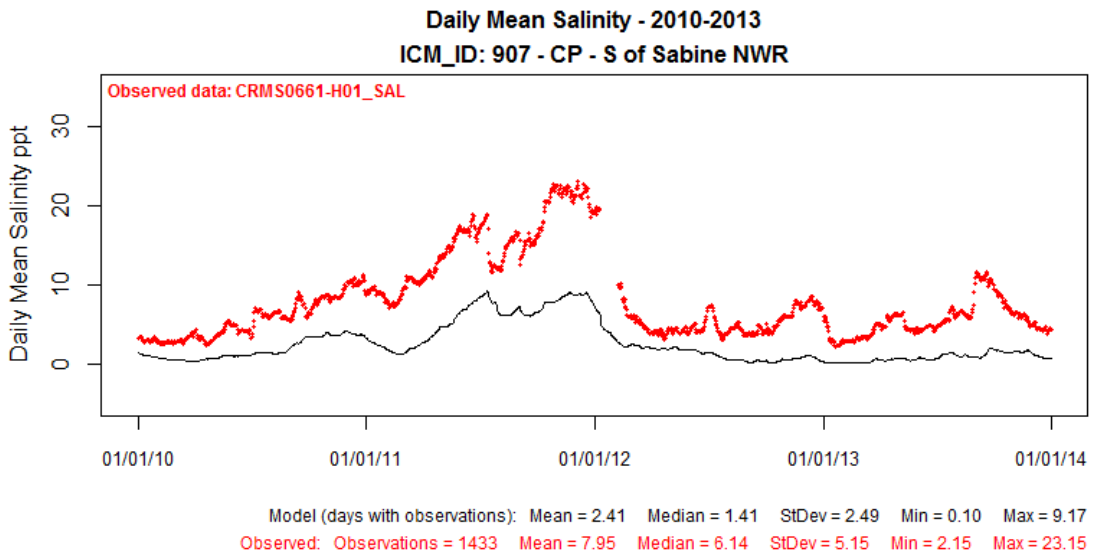

Figure 365: Modeled Salinity (ppt) at ICM Compartment 907 (solid black line) Compared to Observed Data at CRMS0661-H01 for Calibration Period, 2010-2013.

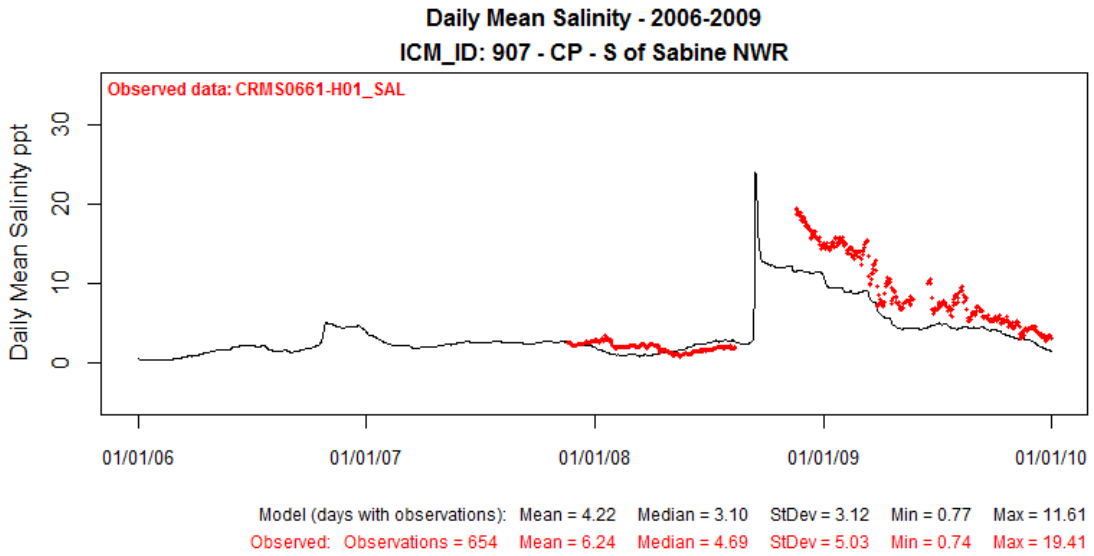

Figure 366: Modeled Salinity (ppt) at ICM Compartment 907 (solid black line) Compared to Observed Data at CRMS0661-H01 for Validation Period, 2006-2009.

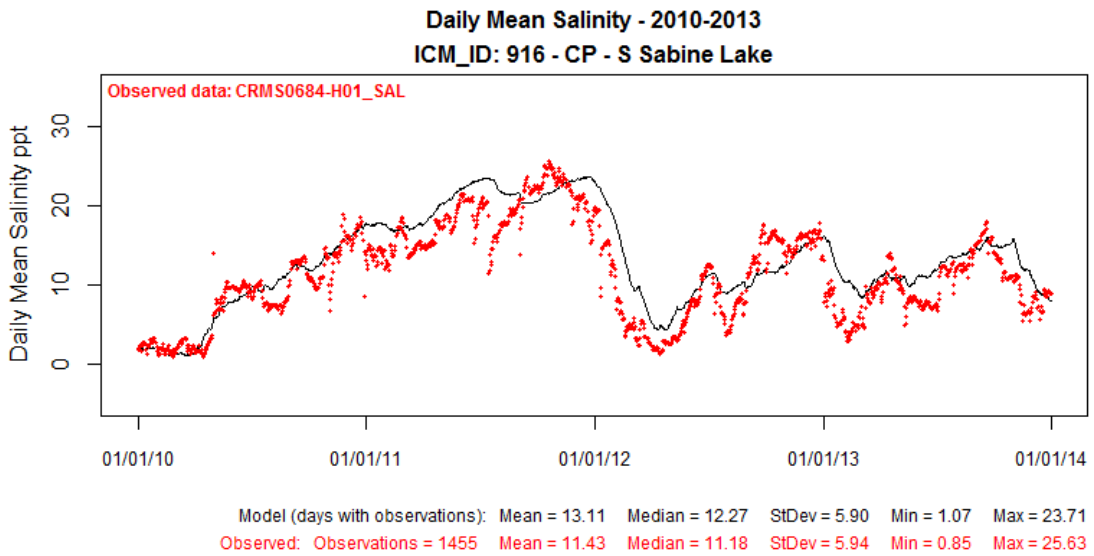

Figure 367: Modeled Salinity (ppt) at ICM Compartment 916 (solid black line) Compared to Observed Data at CRMS0684-H01 for Calibration Period, 2010-2013.

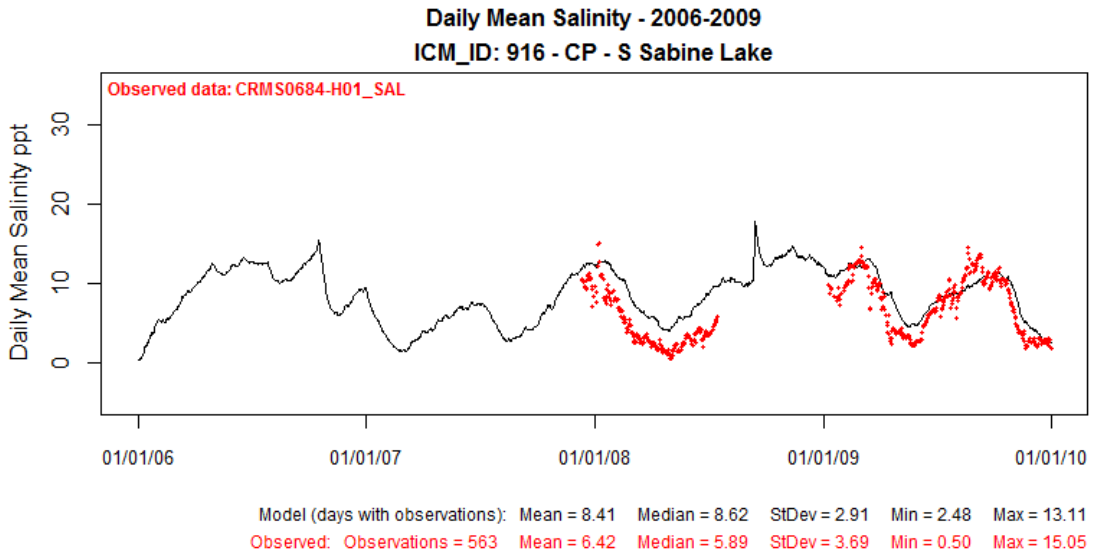

Figure 368: Modeled Salinity (ppt) at ICM Compartment 916 (solid black line) Compared to Observed Data at CRMS0684-H01 for Validation Period, 2006-2009.