

Duration	Name	Evaluation metric				
		RMSE [l/s/km2]	CRPS [l/s/km2]	MAE [l/s/km2]	MRE [%]	MAPE [%]
0 hour	floodGAM	110.0*	59.0*	81.5*	19.5*	19.3*
	RFFA_2018	145.1	77.0	104.3	28.6	25.7
	XGBoost	-	-	[]	-	-
1 hour	floodGAM	109.5*	58.5*	81.0*	19.4*	19.2*
	RFFA_2018	143.6	75.8	103.4	28.2	25.3
	XGBoost	-	-	[]	-	-
6 hour	floodGAM	100.4*	53.8*	74.9*	18.5*	18.5*
	RFFA_2018	127.1	66.8	92.7	24.7	23.2
	XGBoost	-	-	[]	-	-
12 hour	floodGAM	88.6*	48.2*	66.4*	17.6*	17.8*
	RFFA_2018	107.7	56.7	79.4	21.4	20.7
	XGBoost	-	-	[]	-	-
18 hour	floodGAM	82.0*	44.2*	61.1*	16.9*	17.2*
	RFFA_2018	95.9	50.2	70.3	19.6	19.0
	XGBoost	-	-	[]	-	-
24 hours	floodGAM	75.9*	41.2*	56.9*	16.4	16.8
	RFFA_2018	86.1	45.3	63.5	18.3	17.8
	XGBoost	-	-	[]	-	-
36 hour	floodGAM	65.1*	35.9	49.3*	15.5	16.1
	RFFA_2018	70.7	37.8	53.3	16.5	16.0
	XGBoost	-	-	[]	-	-
48 hour	floodGAM	57.8*	32.0	43.6*	14.9	15.3
	RFFA_2018	61.8	33.4	47.5	15.7	15.4
	XGBoost	-	-	[]	-	-
72 hour	floodGAM	48.5*	27.5	37.2*	14.3	14.5
	RFFA_2018	51.3	28.3	40.1	14.7	14.8
	XGBoost	-	-	[]	-	-
7 days	floodGAM	37.2*	21.1*	28.4*	13.7	14.0*
	RFFA_2018	39.9	22.5	31.0	14.2	15.0
	XGBoost	-	-	[]	-	-
14 days	floodGAM	31.4*	17.0*	22.9*	13.2*	13.5*
	RFFA_2018	35.0	19.2	25.9	14.8	15.6
	XGBoost	-	-	[]	-	-
30 days	floodGAM	26.5*	13.7*	18.6*	13.3*	13.2*
	RFFA_2018	30.5	16.3	22.1	15.8	16.8
	XGBoost	-	-	[]	-	-

d	model	50%		80%		90%	
		coverage	width	coverage	width	coverage	width
0	RFFA2018	53.66	231	86.18	450	92.28	590
	floodGAM	51.63	167	82.93	321	89.84	417
1	RFFA2018	52.85	227	86.18	442	91.87	580
	floodGAM	50.81	165	82.11	318	89.43	413
6	RFFA2018	52.03	194	84.55	376	93.09	491
	floodGAM	51.22	151	83.74	291	89.84	377
12	RFFA2018	52.44	160	85.37	309	92.28	402
	floodGAM	54.88	136	84.55	262	89.02	339
18	RFFA2018	52.03	139	83.33	268	92.28	348
	floodGAM	53.66	124	83.33	238	89.84	309
24	RFFA2018	53.66	124	83.33	239	92.28	309
	floodGAM	52.85	116	83.74	222	90.24	287
36	RFFA2018	51.22	102	81.71	196	92.68	254
	floodGAM	53.25	101	83.74	193	89.84	250
48	RFFA2018	50.41	90	85.77	173	91.87	224
	floodGAM	54.88	91	83.33	174	90.65	224
72	RFFA2018	50.00	77	84.96	148	92.28	191
	floodGAM	55.69	79	82.93	151	91.46	195
168	RFFA2018	56.91	62	83.74	119	90.65	154
	floodGAM	55.28	60	84.96	115	91.87	148
336	RFFA2018	54.88	53	84.15	101	89.43	131
	floodGAM	58.54	48	86.59	91	90.65	118
720	RFFA2018	58.13	45	82.11	86	89.02	111
	floodGAM	58.54	37	86.18	72	92.68	92

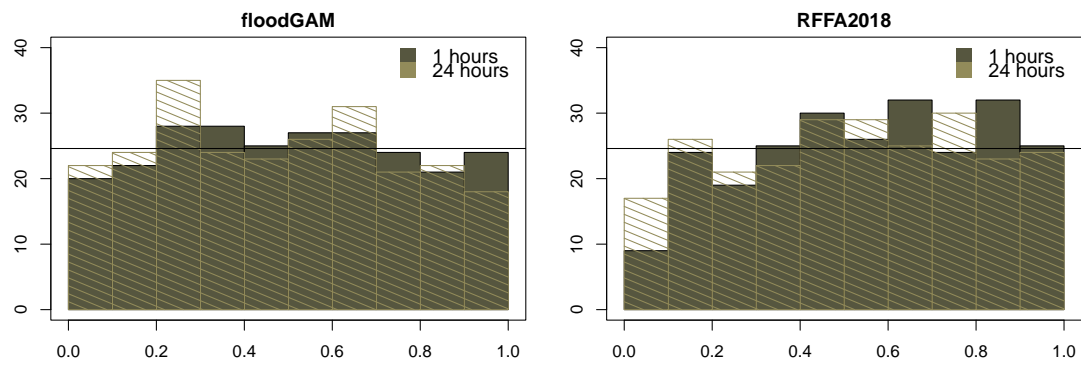


Figure 1: PIT histograms, with new data