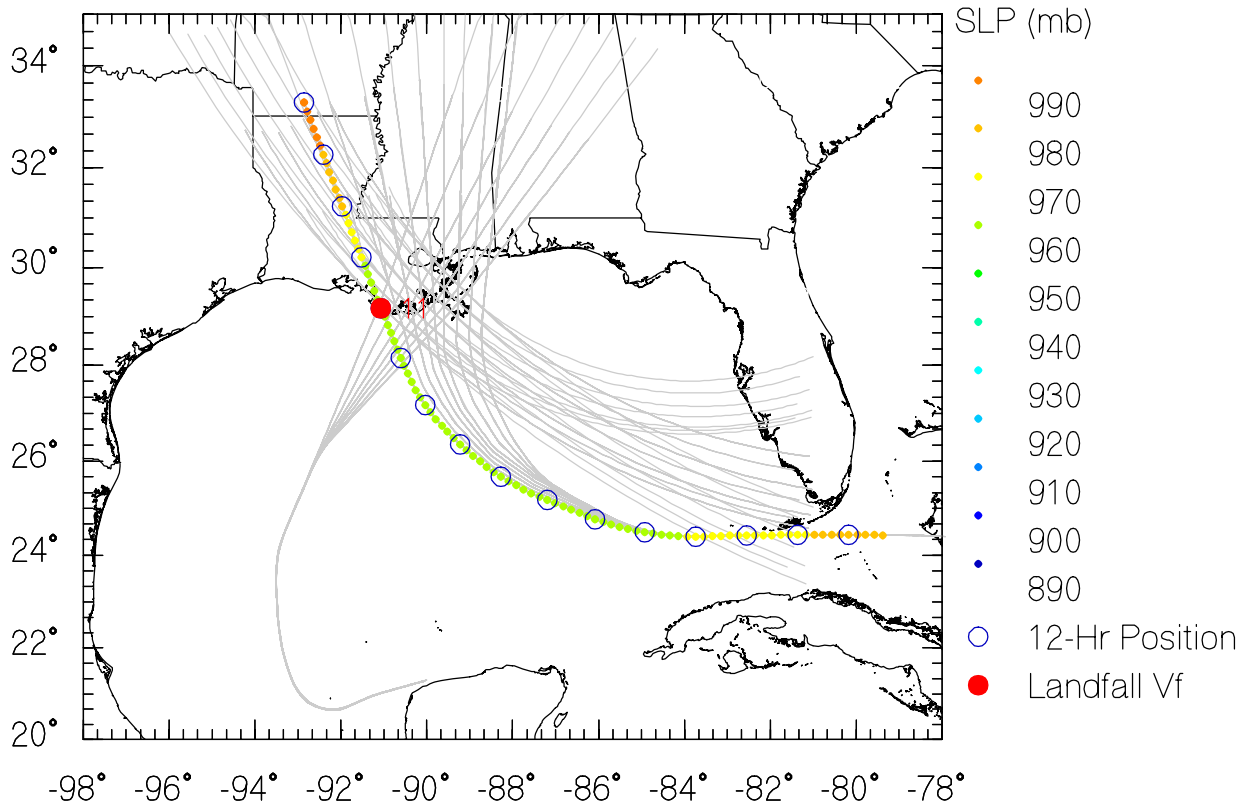
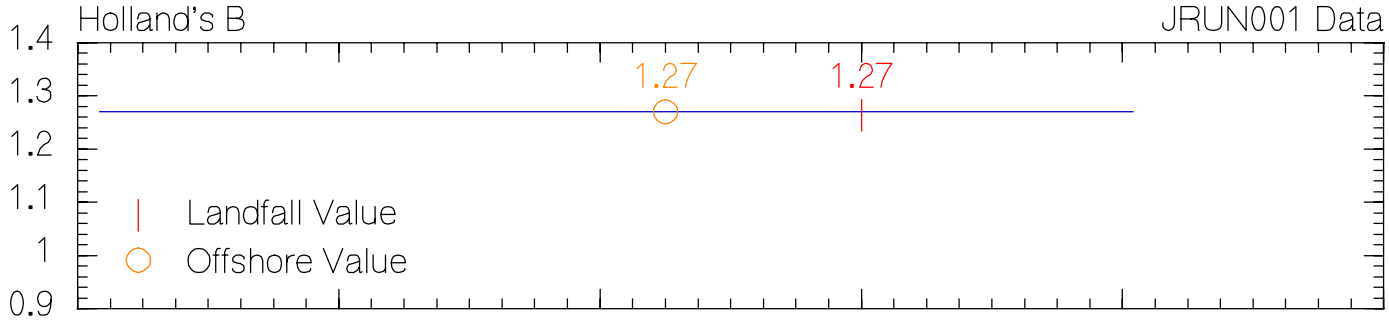
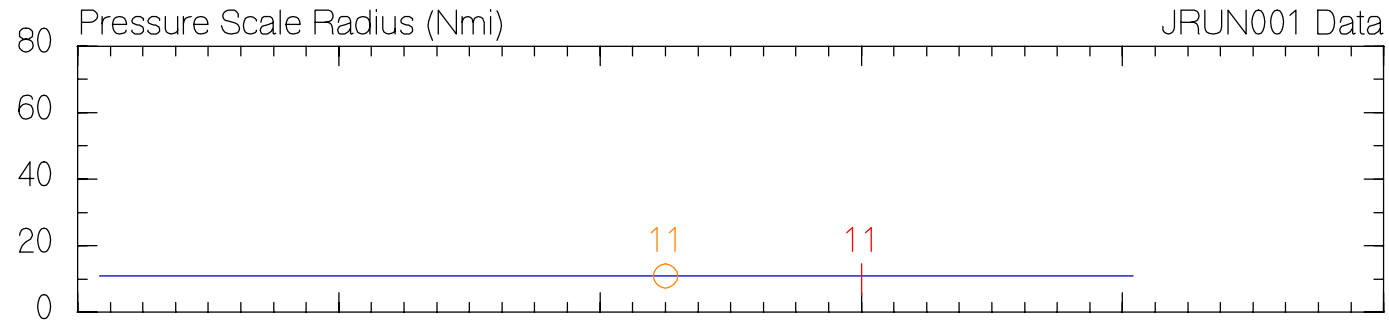
APPENDIX A

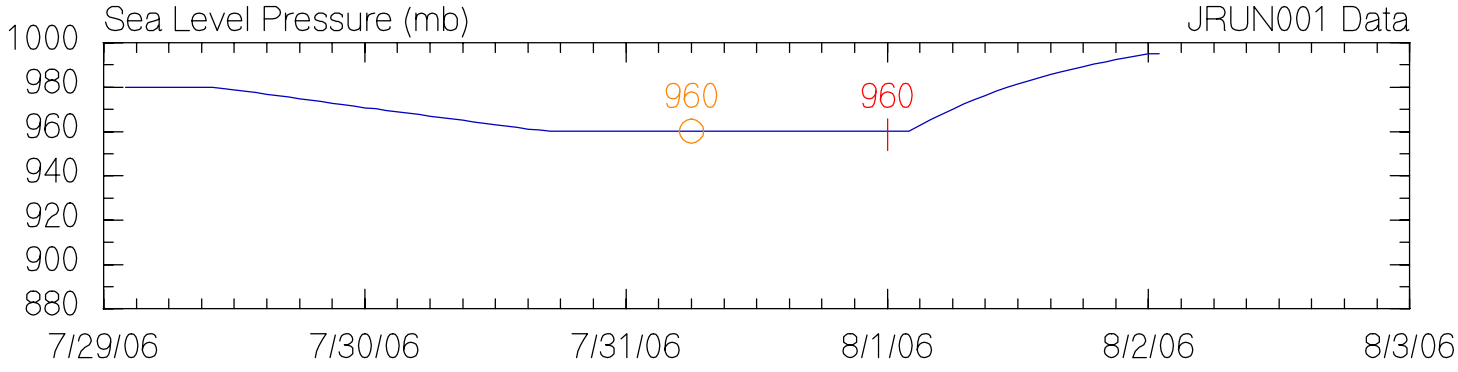
OWI Storm Data

JRUN001 Data









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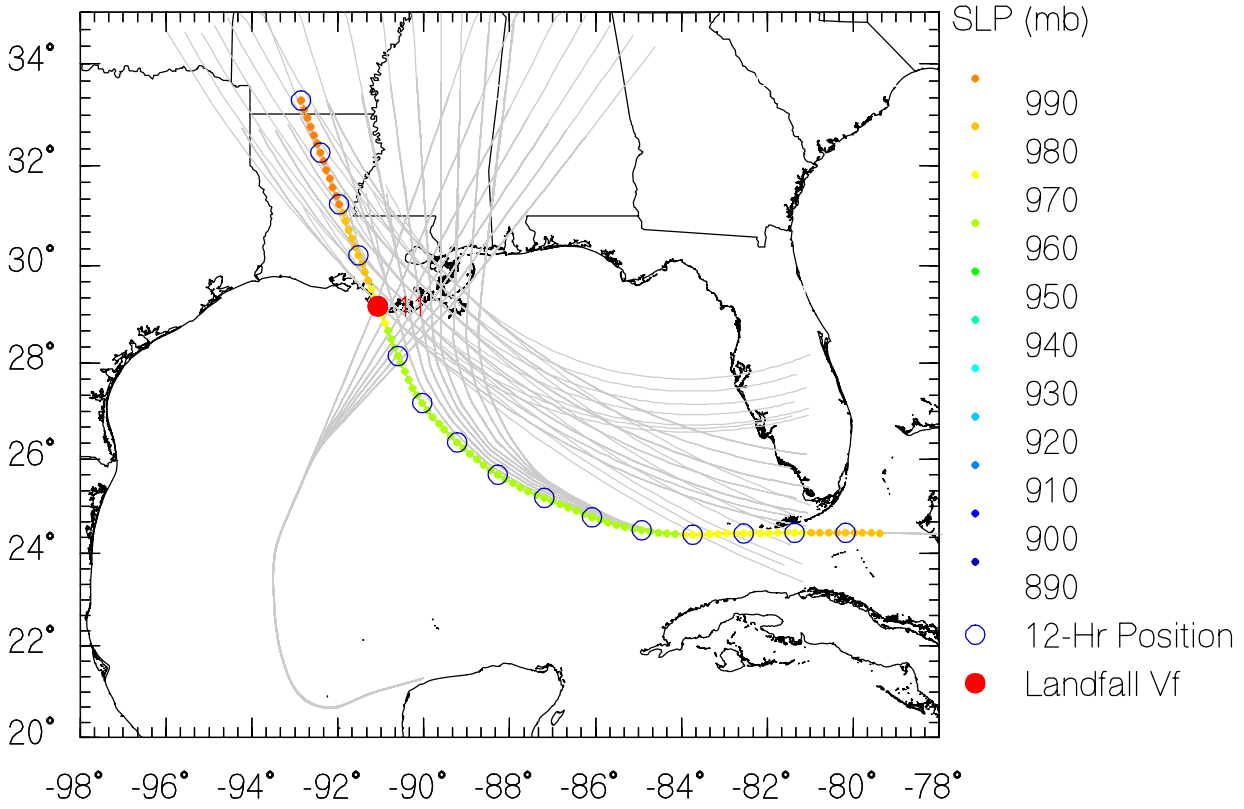

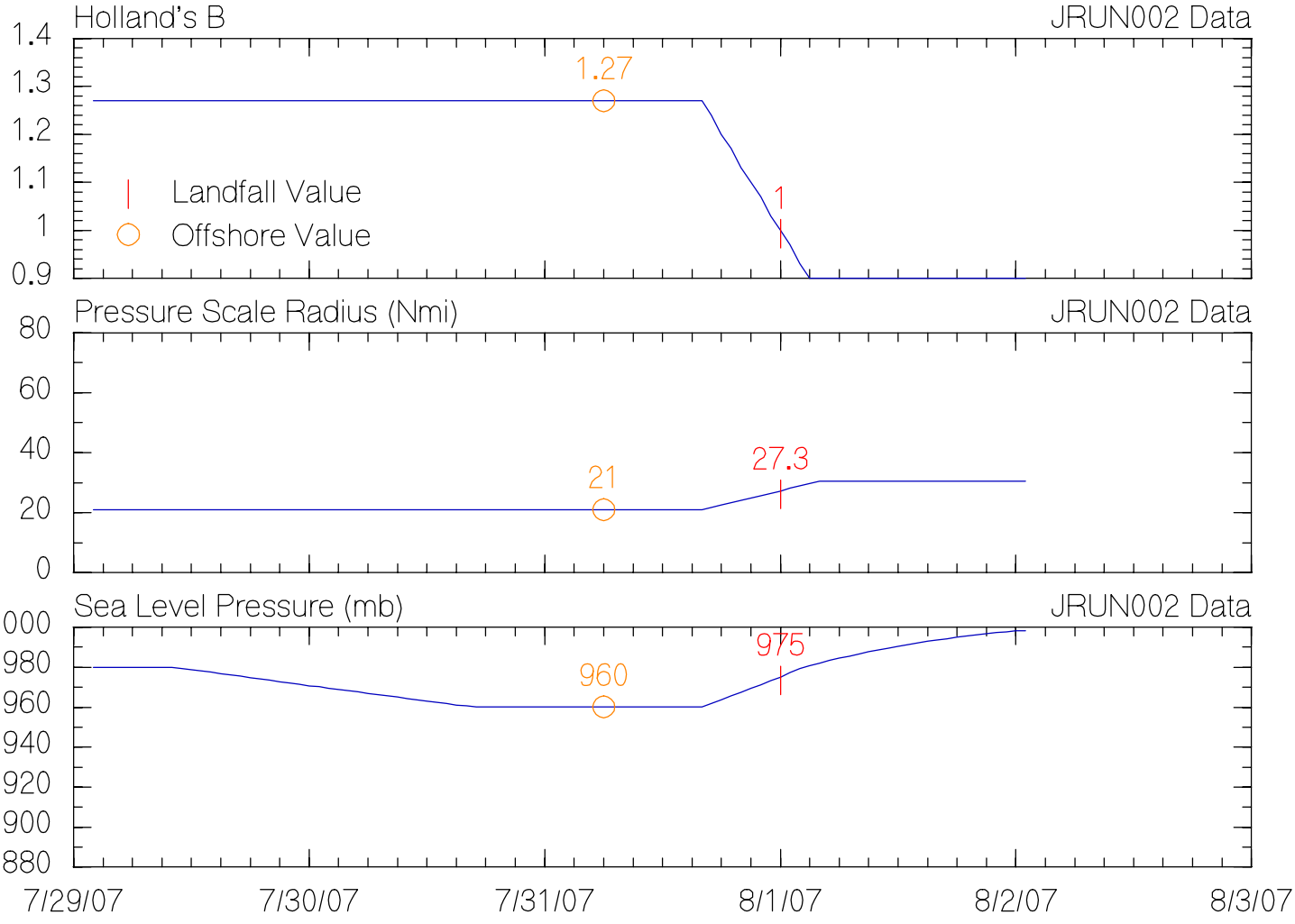

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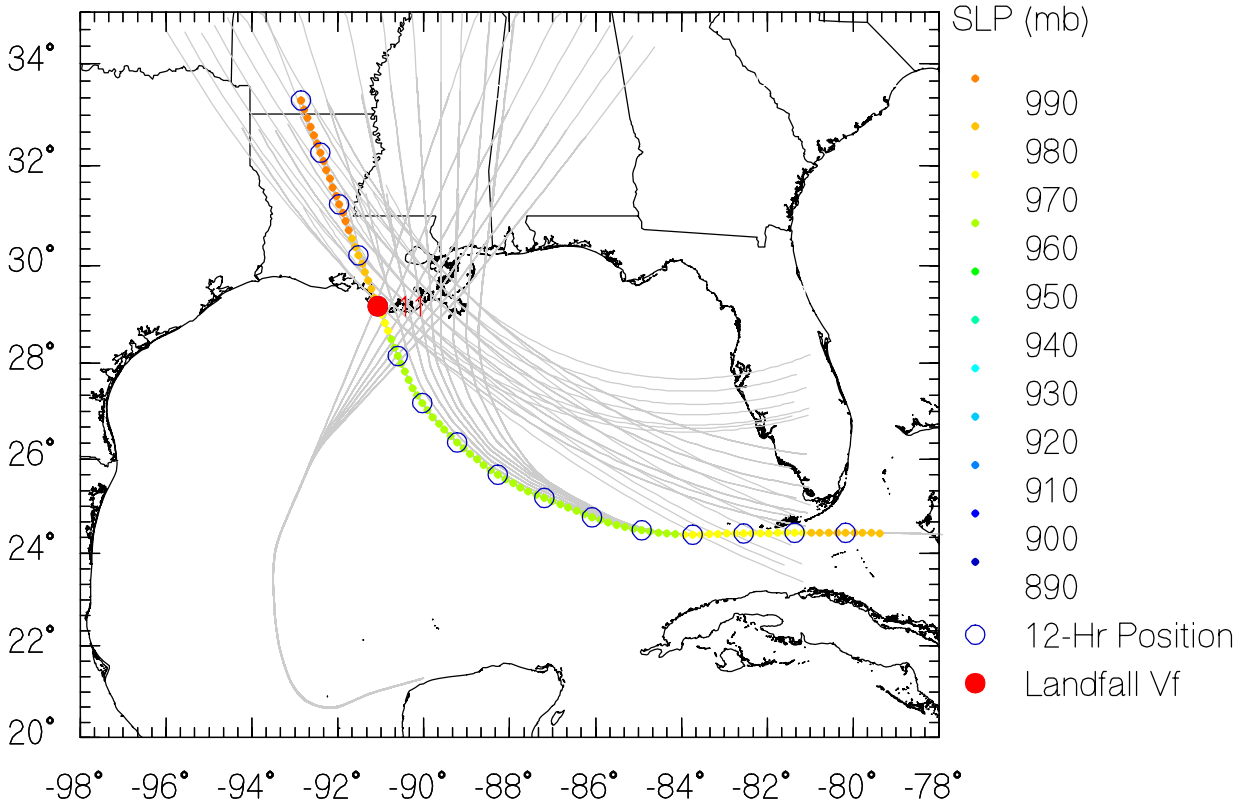

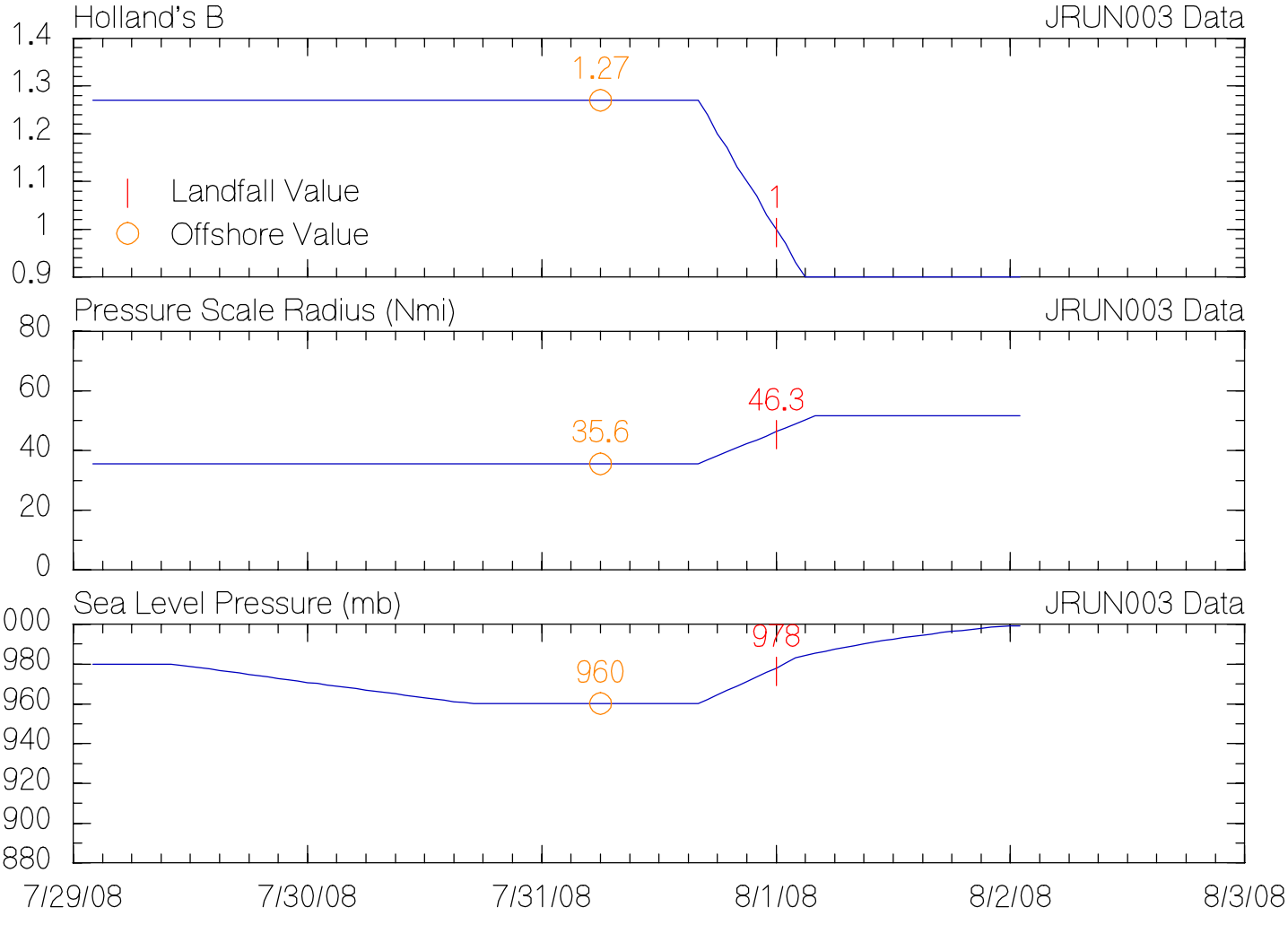

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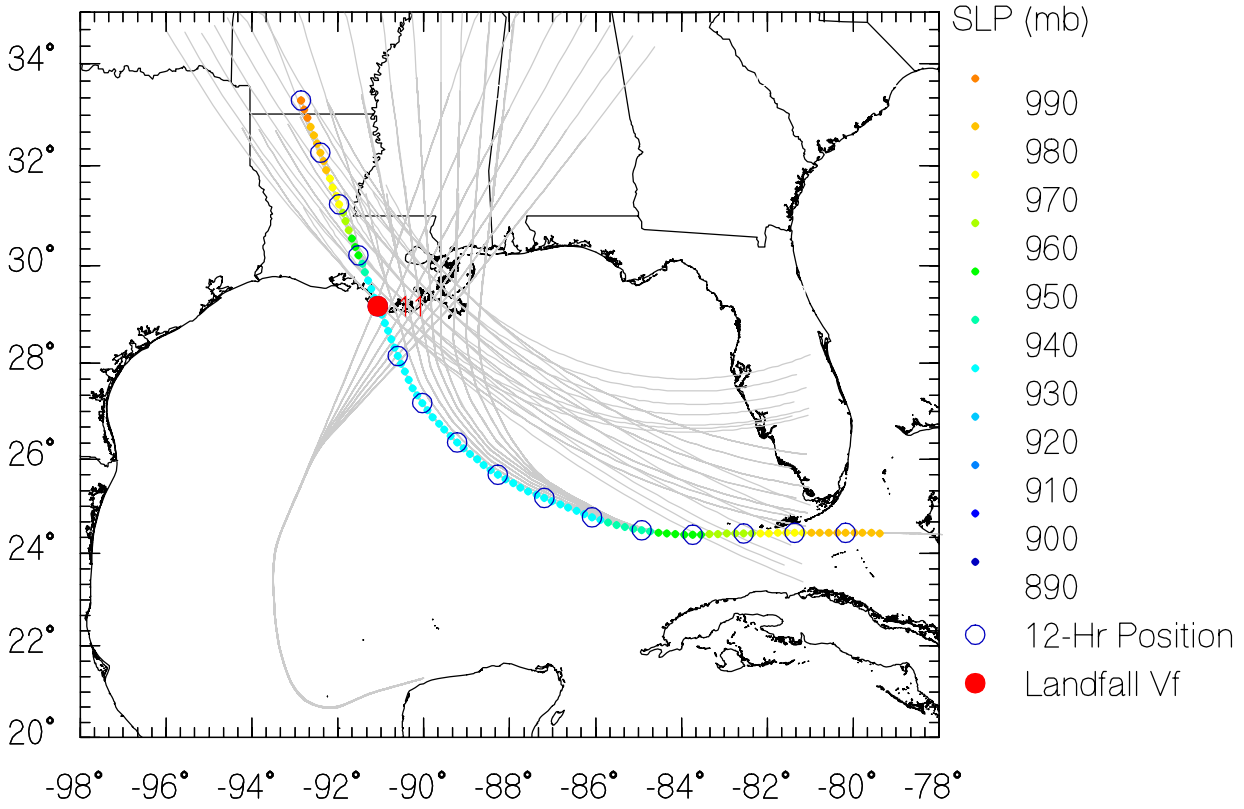

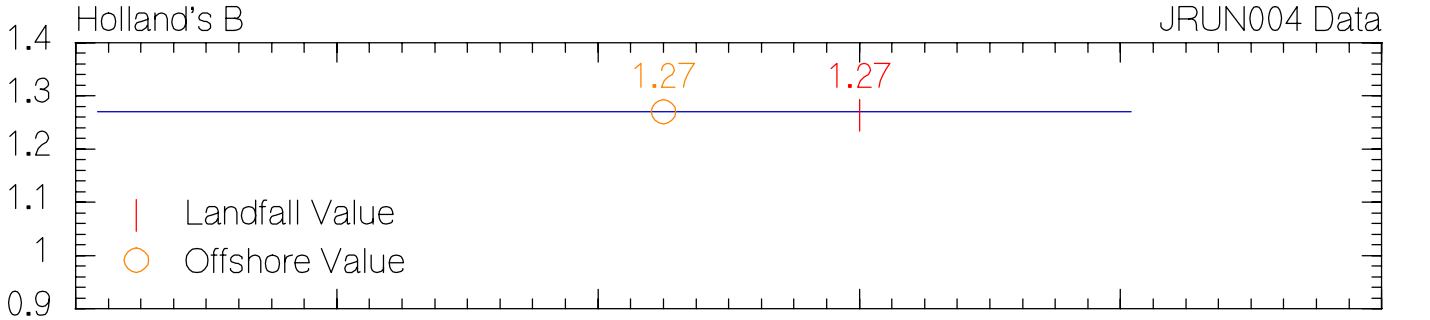

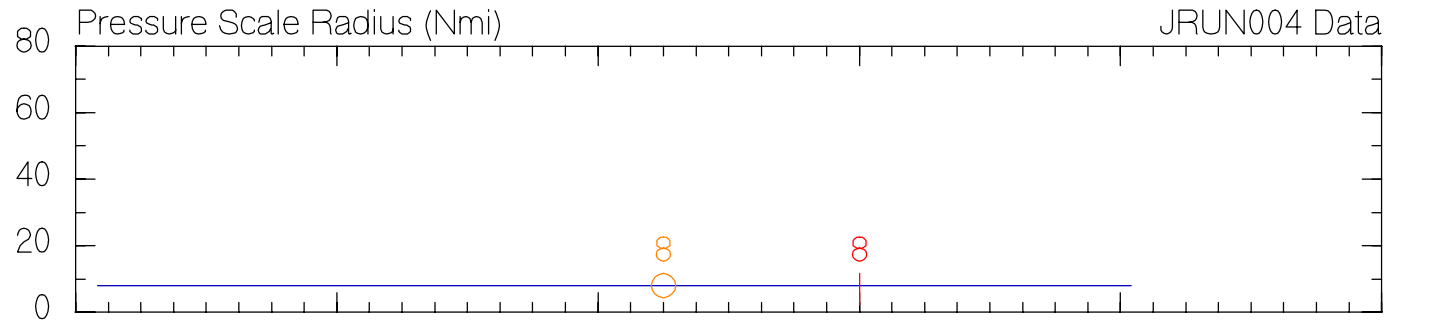

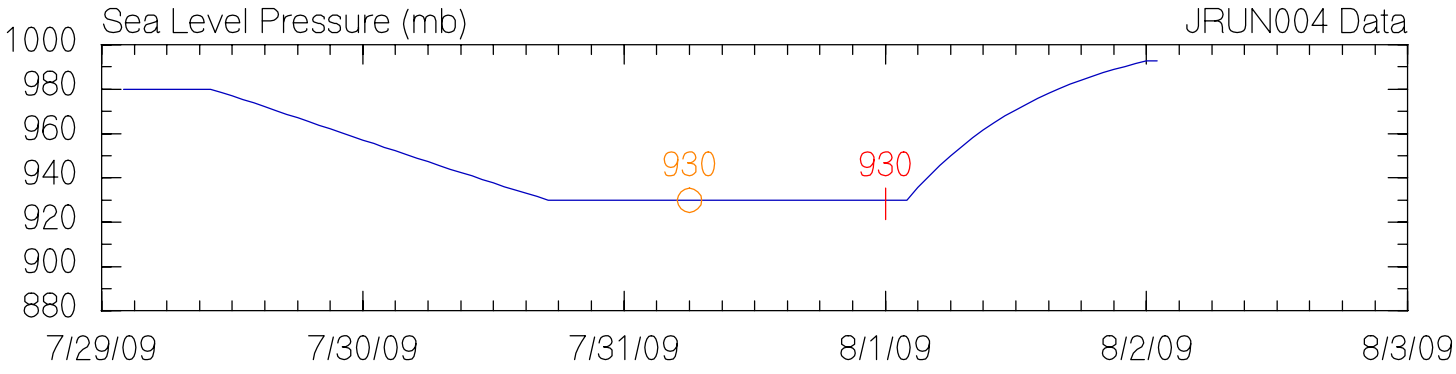

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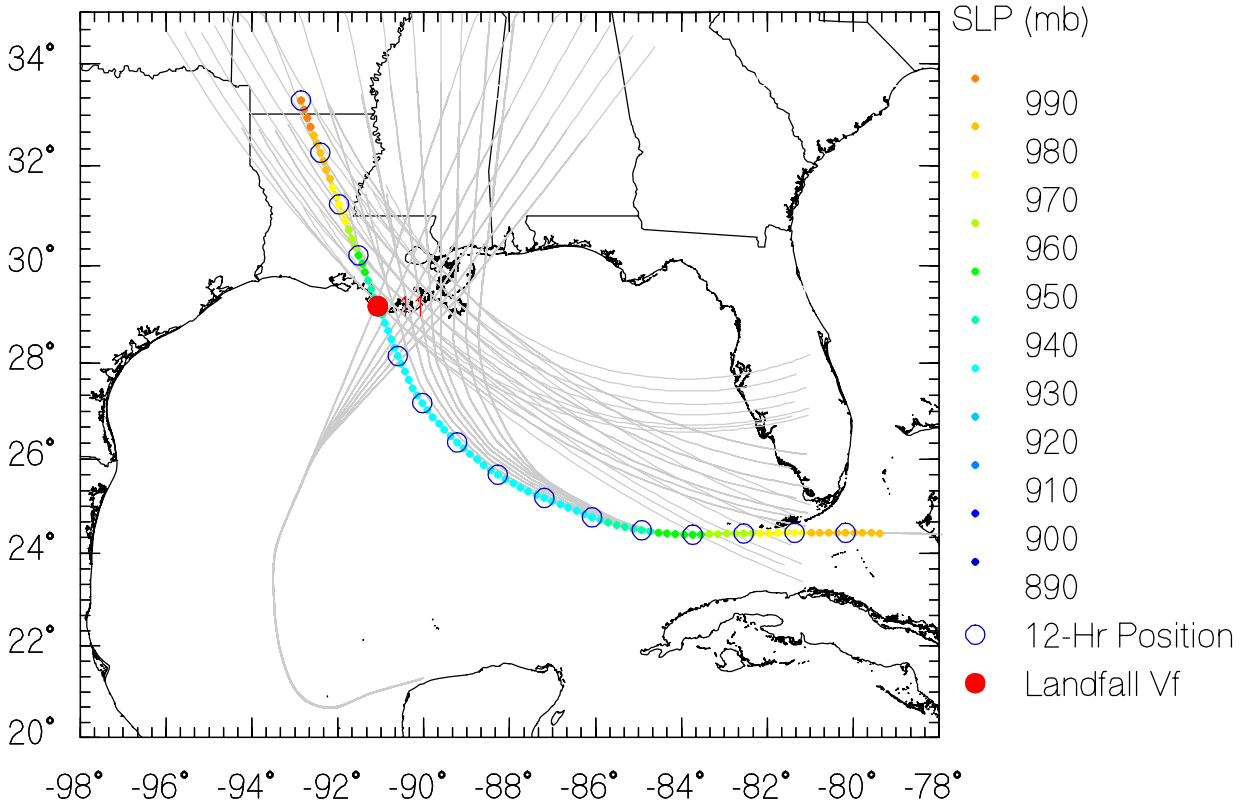

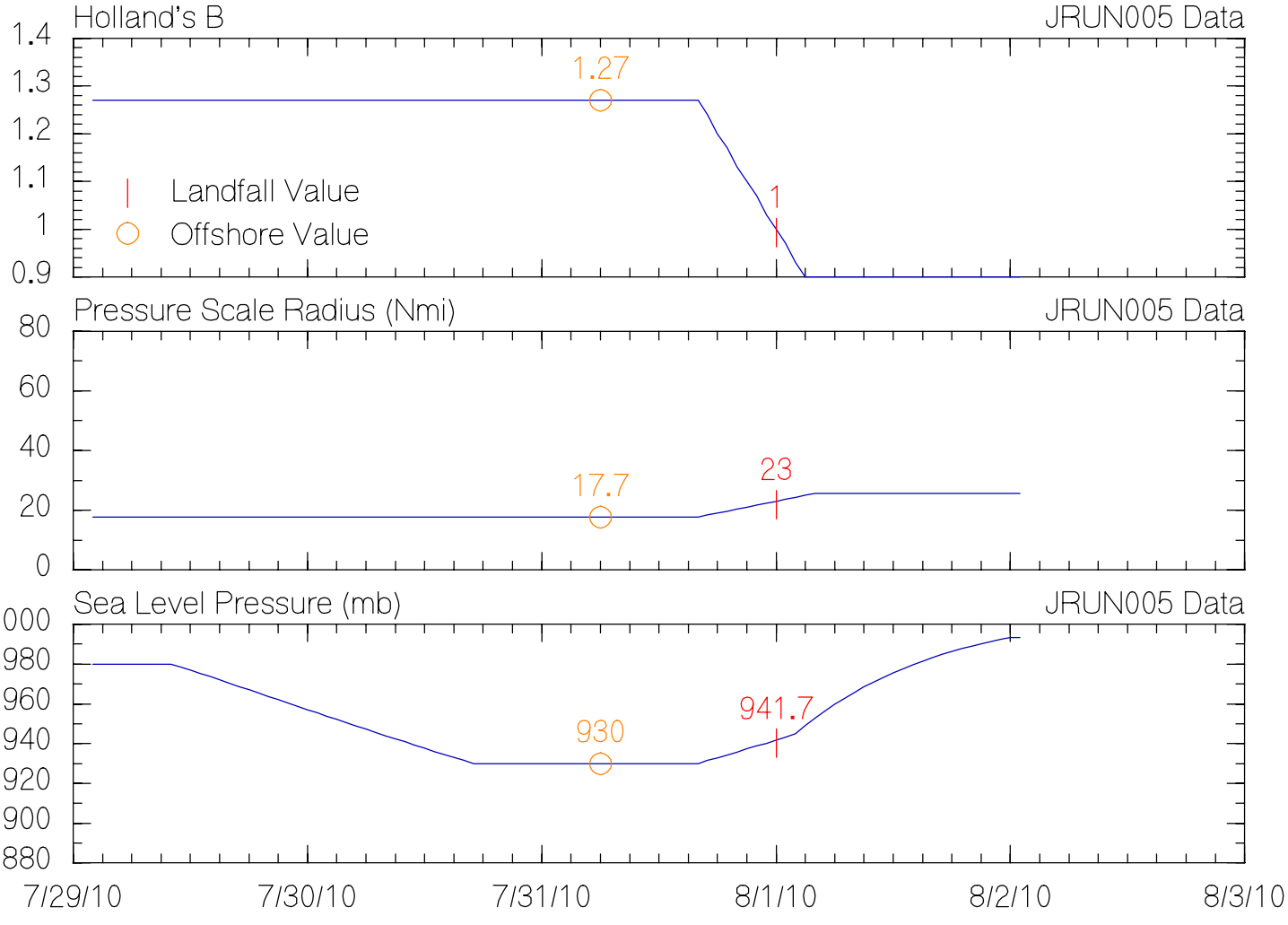

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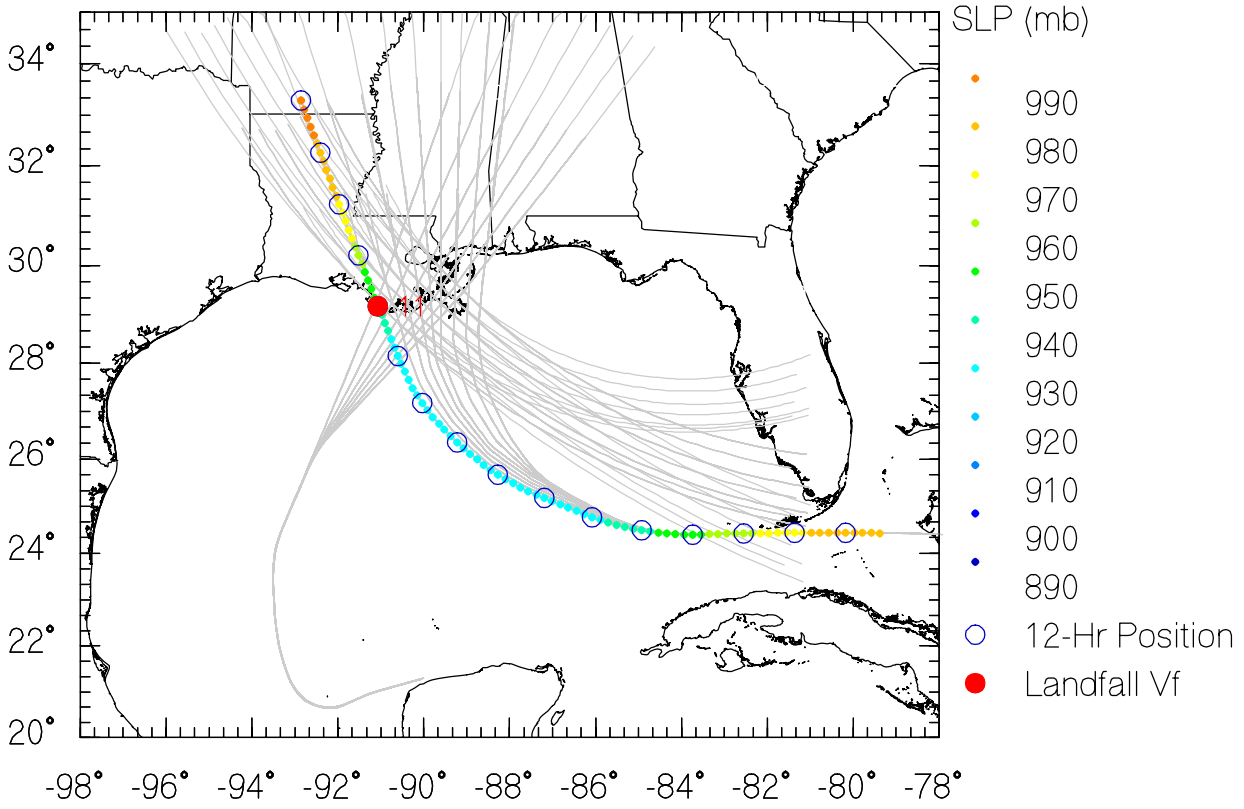

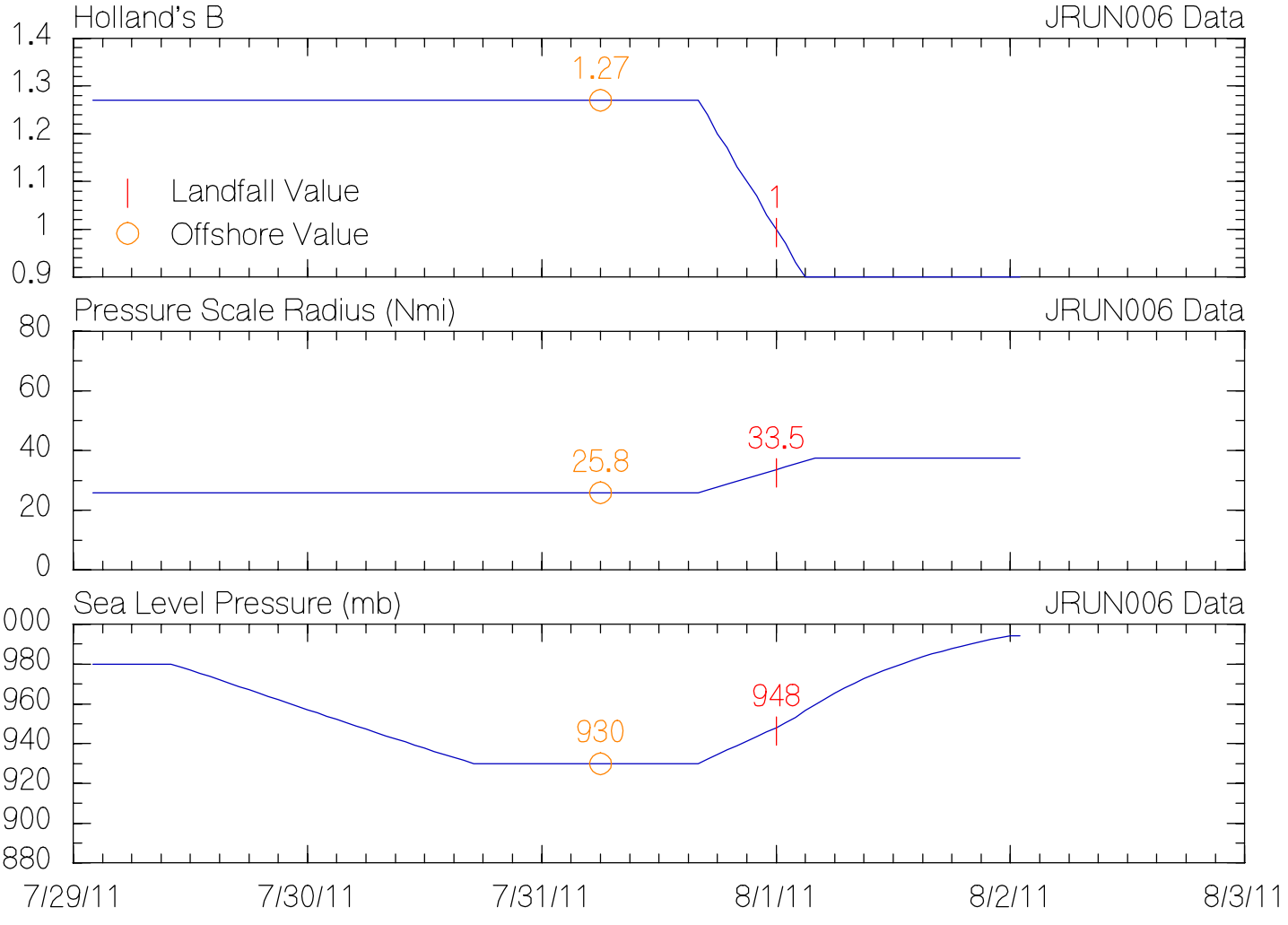

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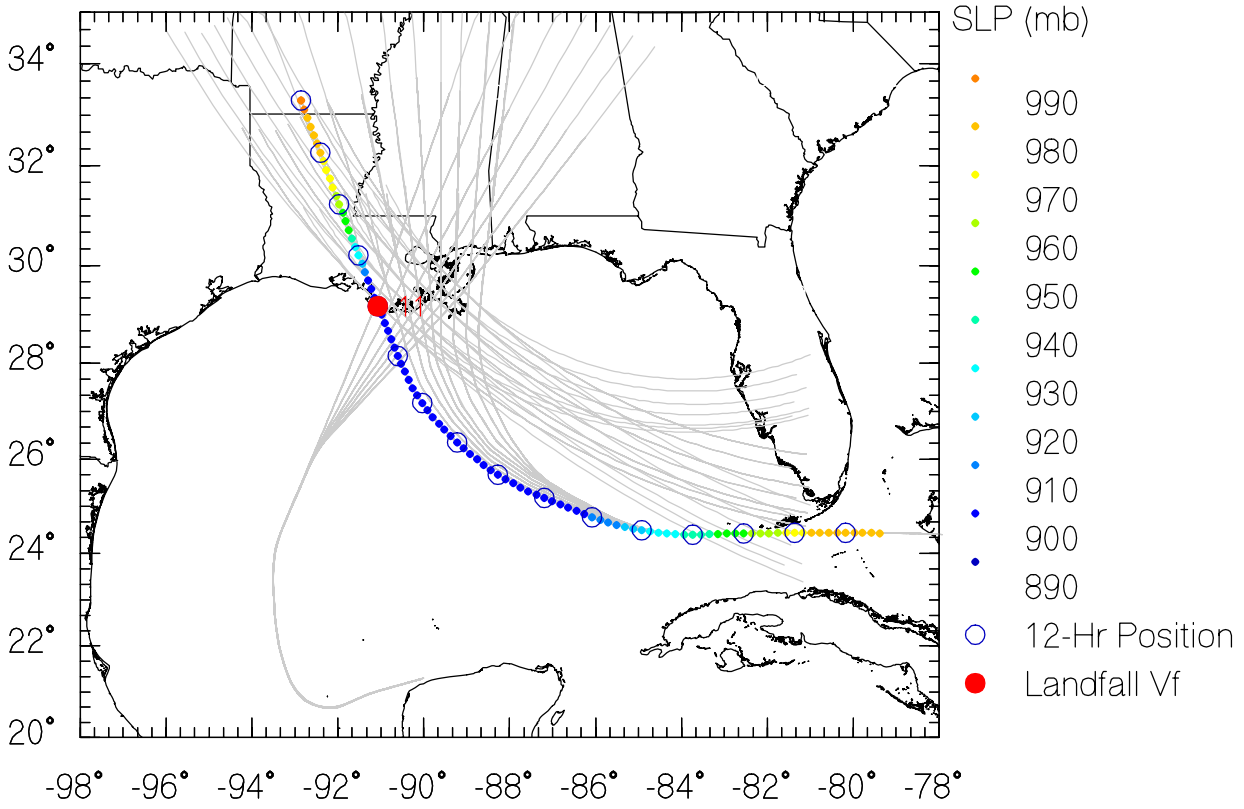

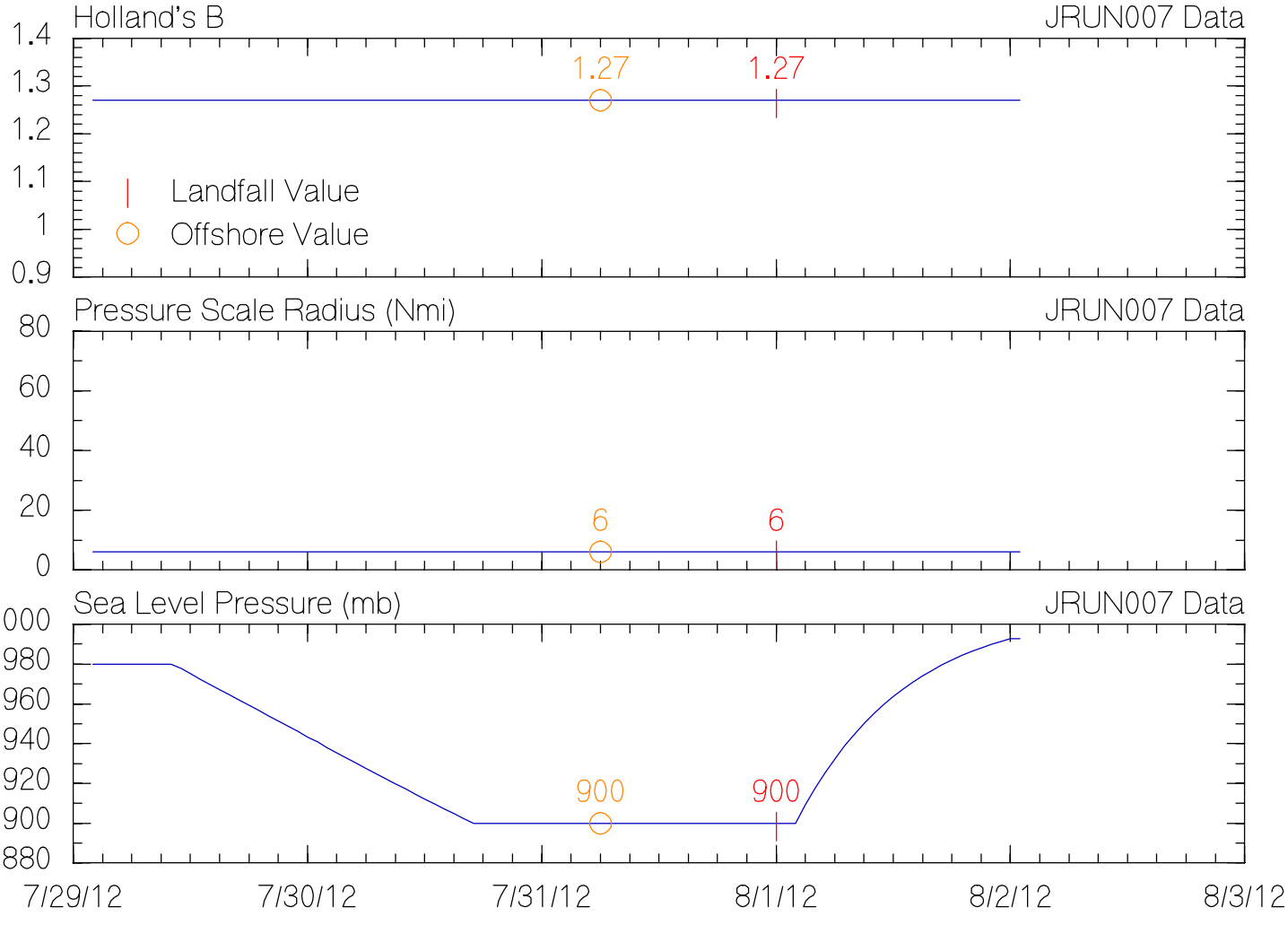

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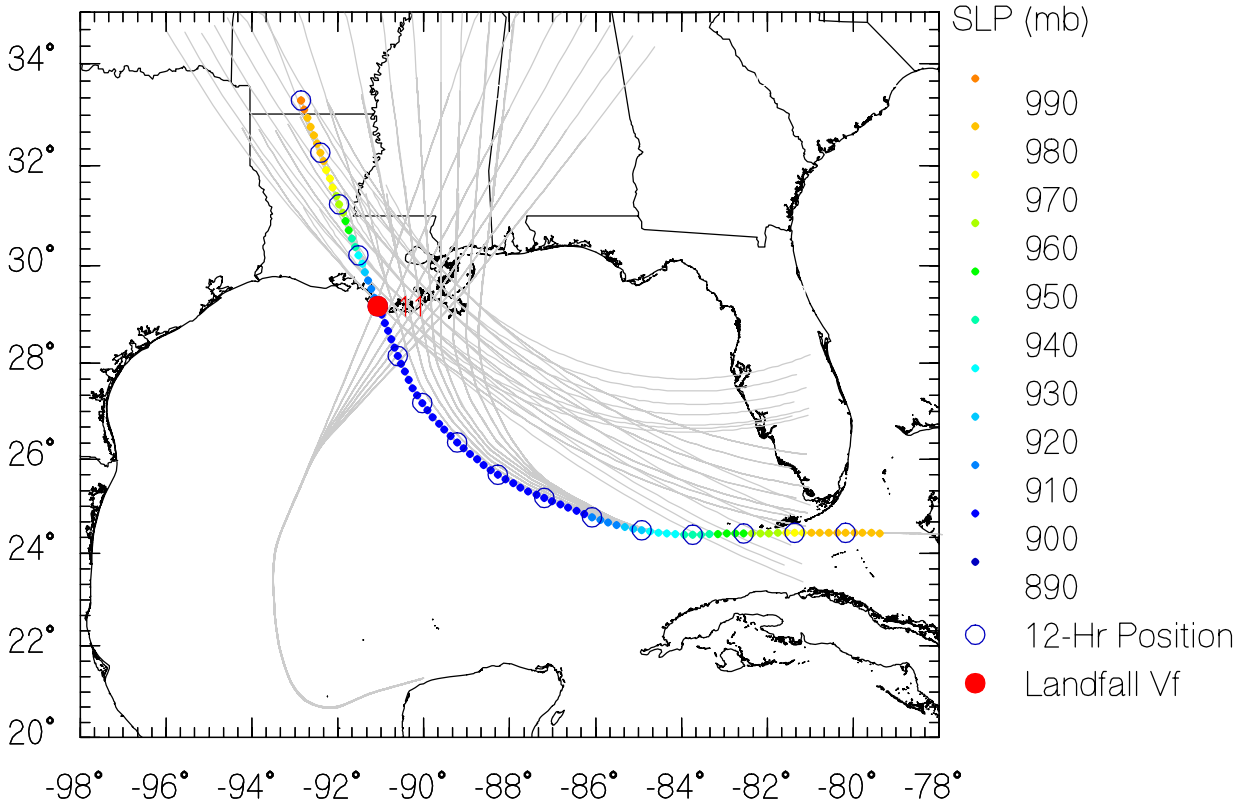

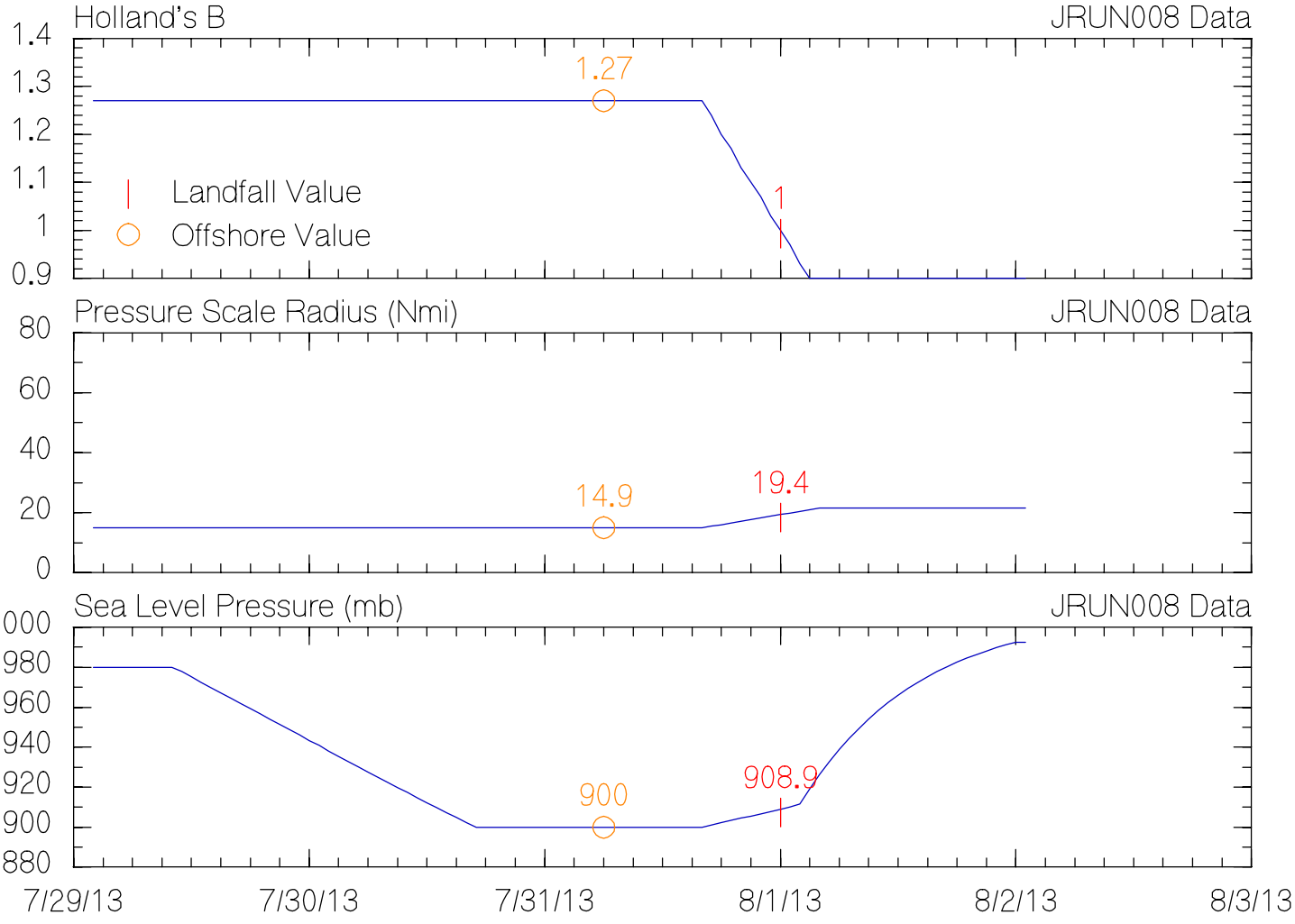

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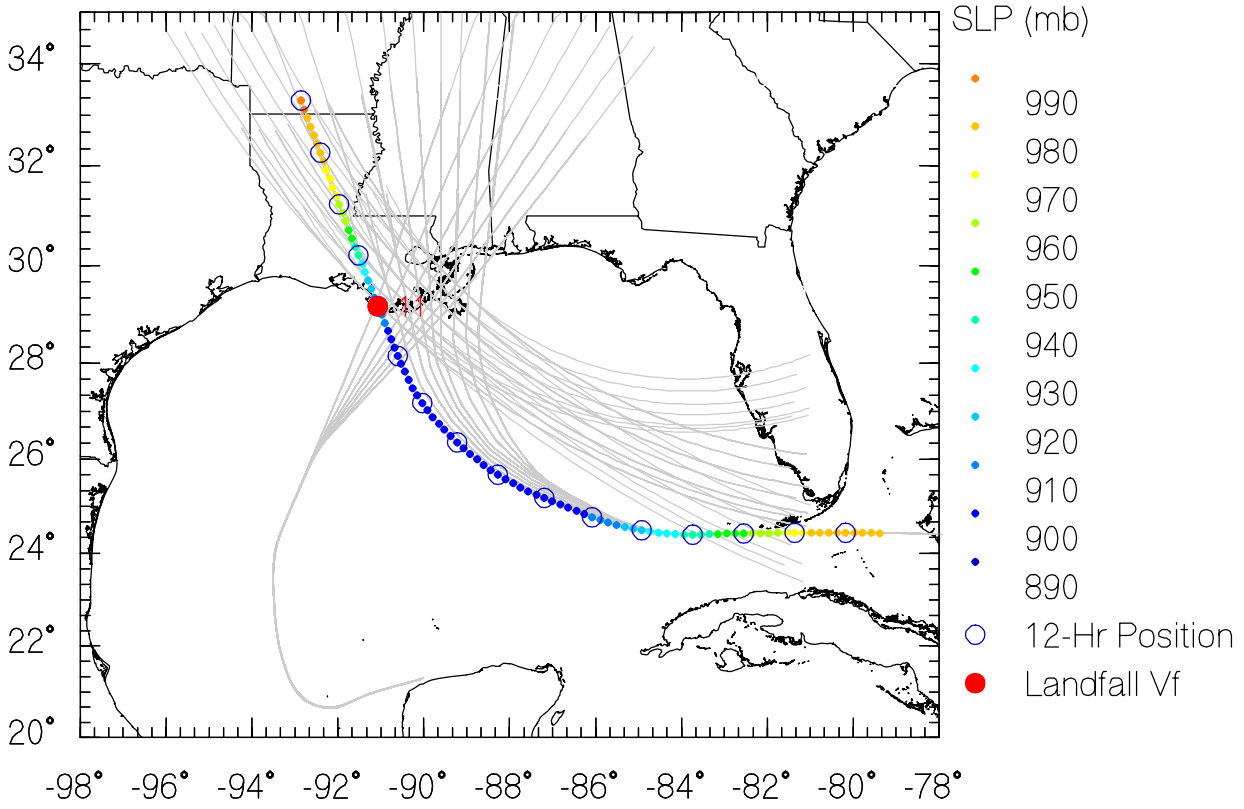

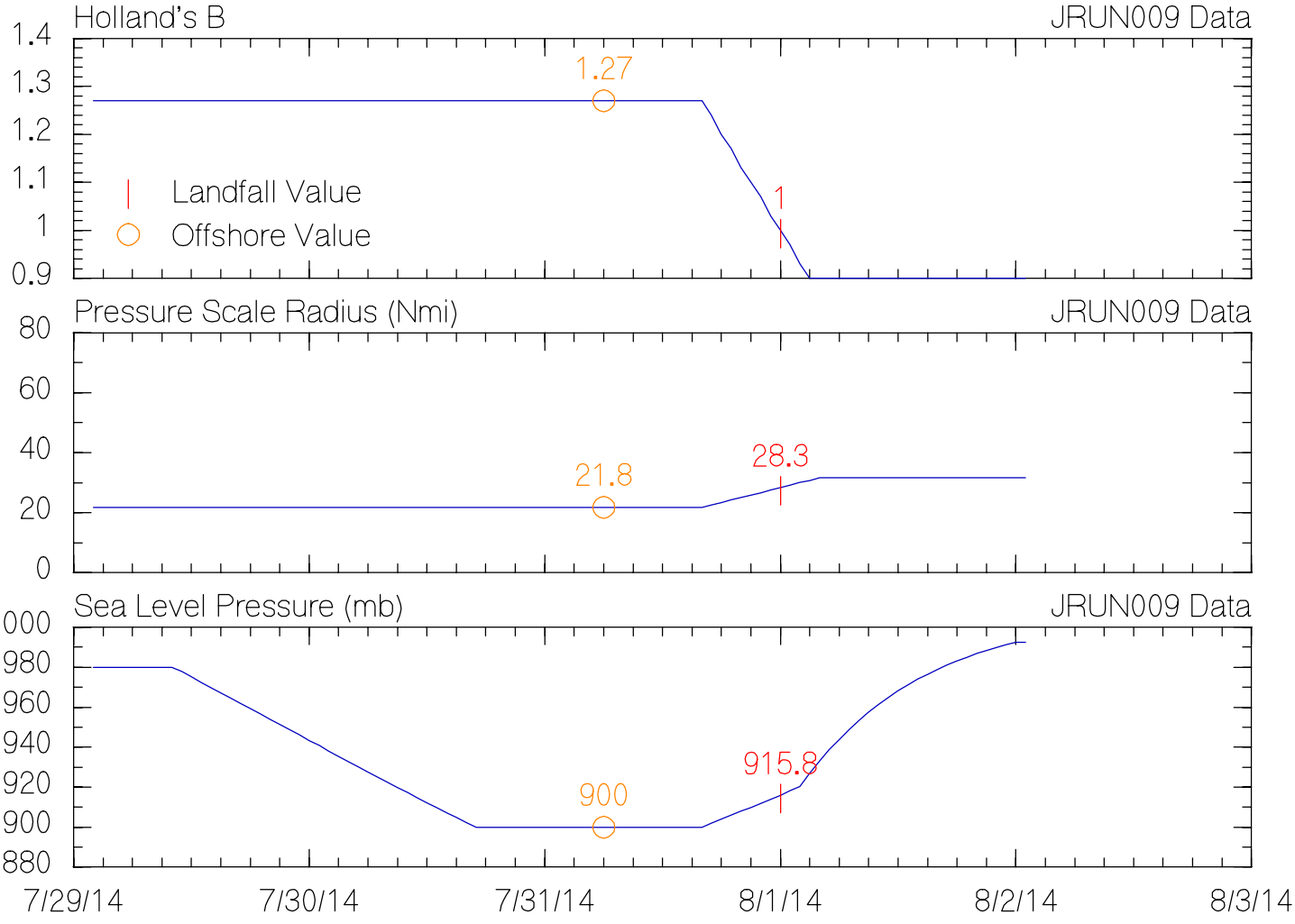

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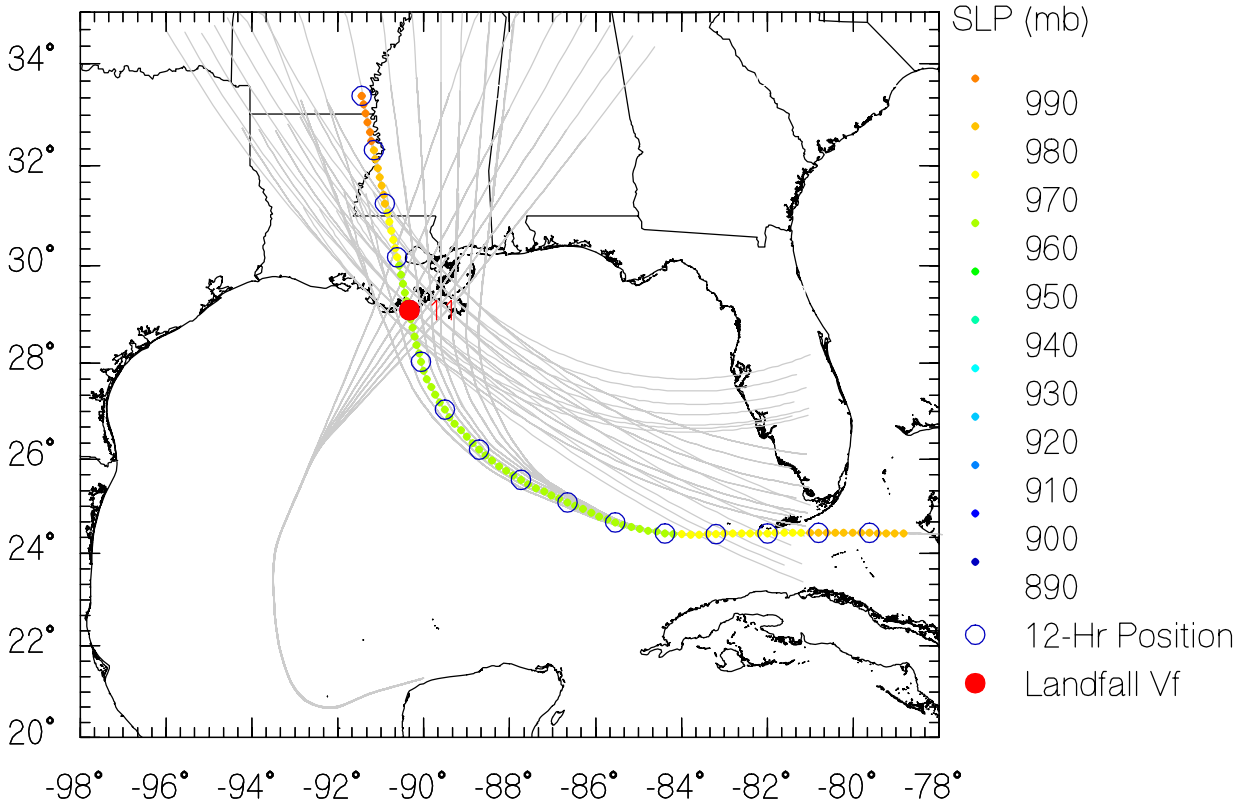

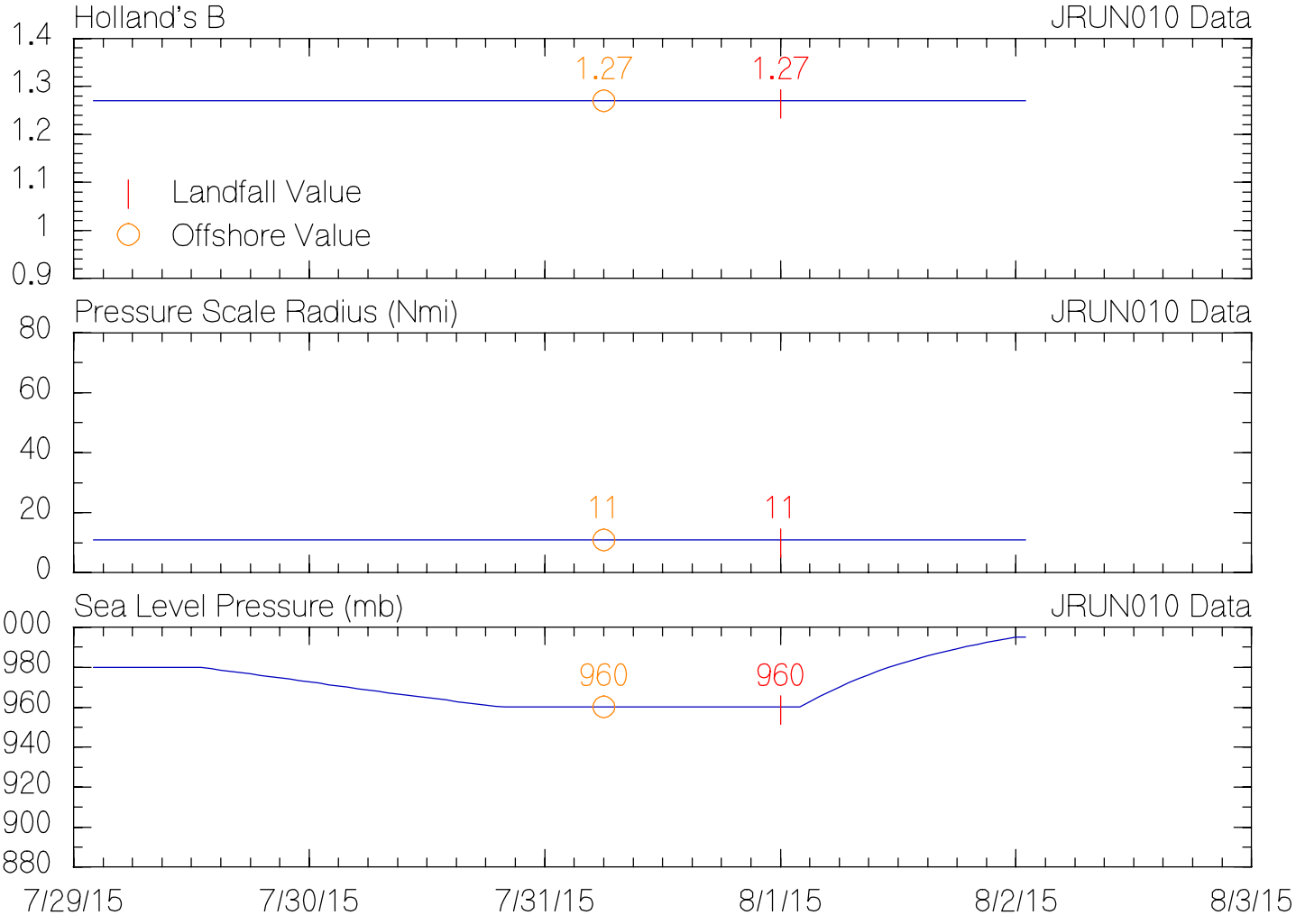

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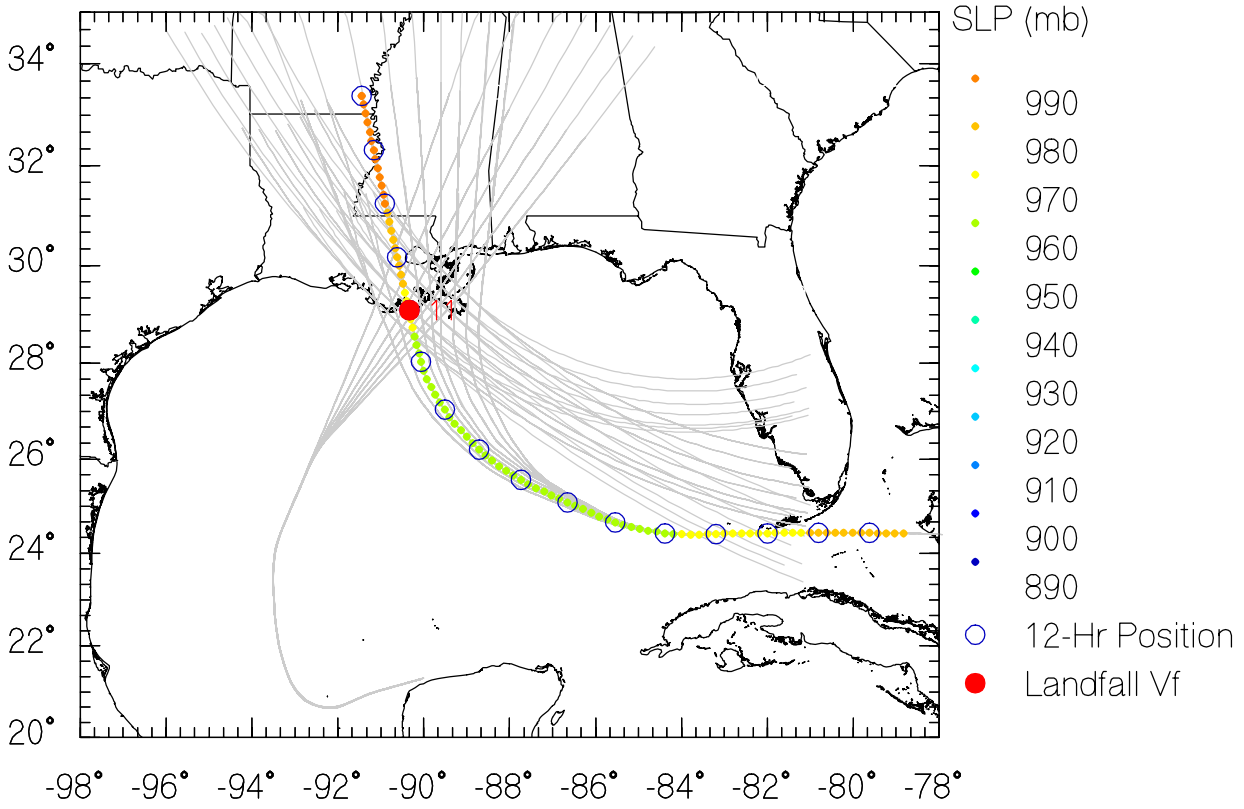

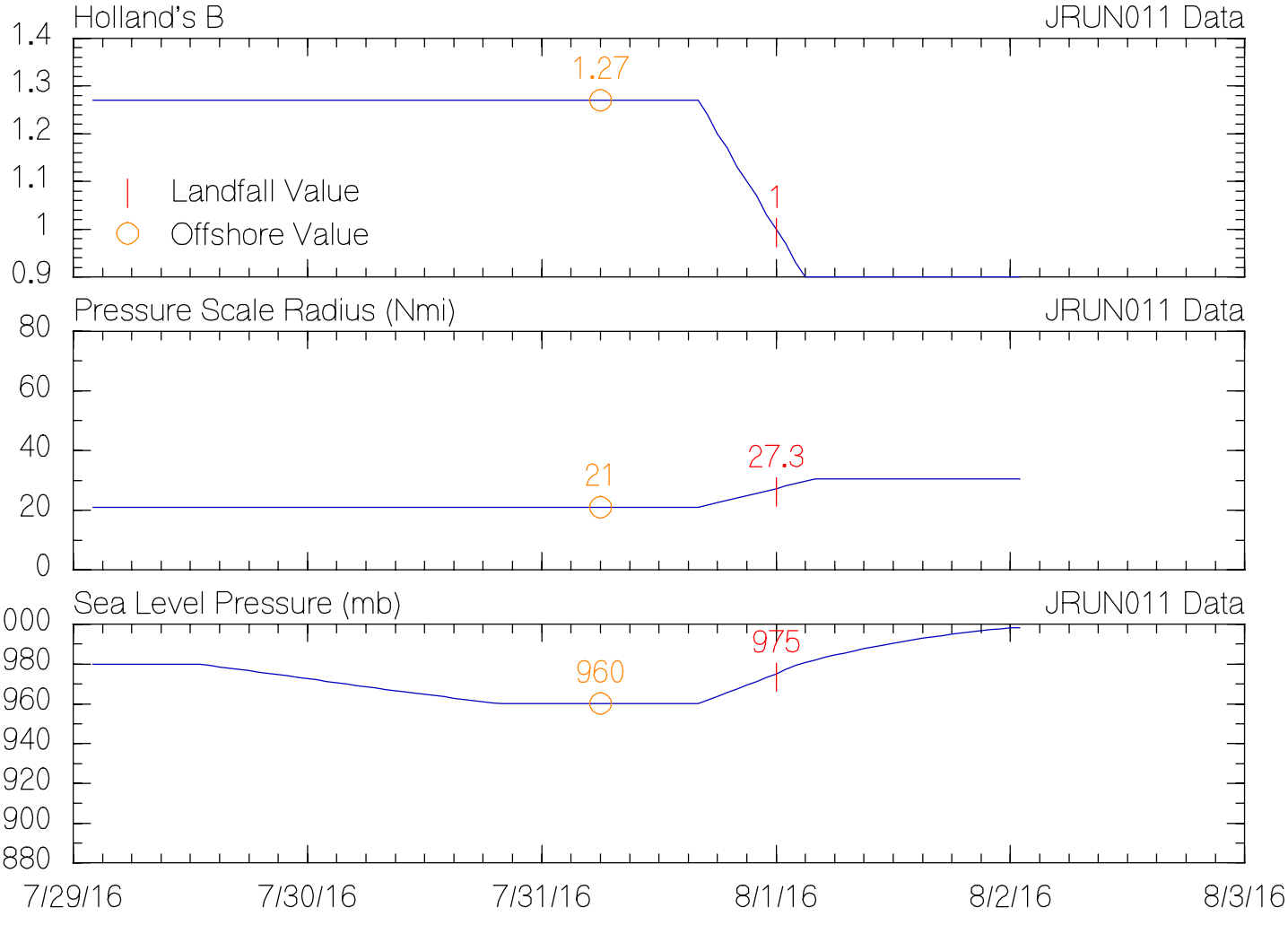

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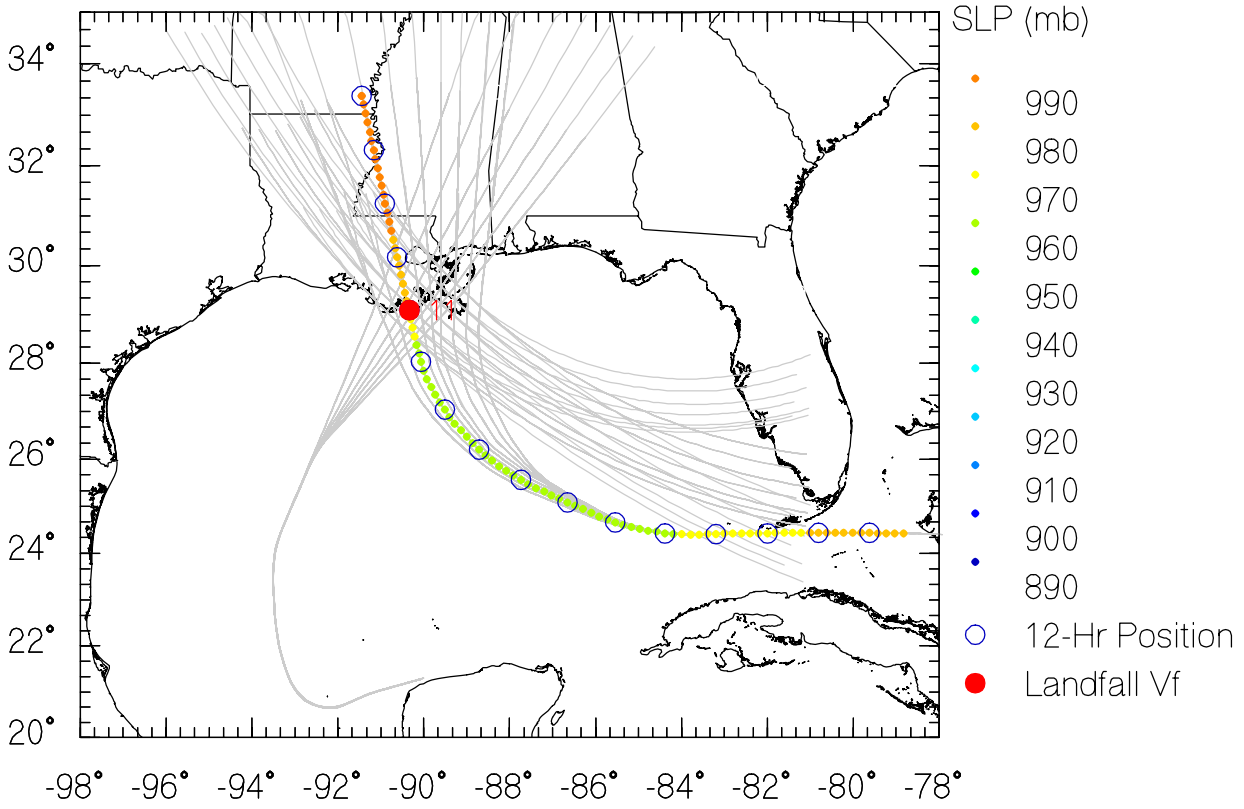

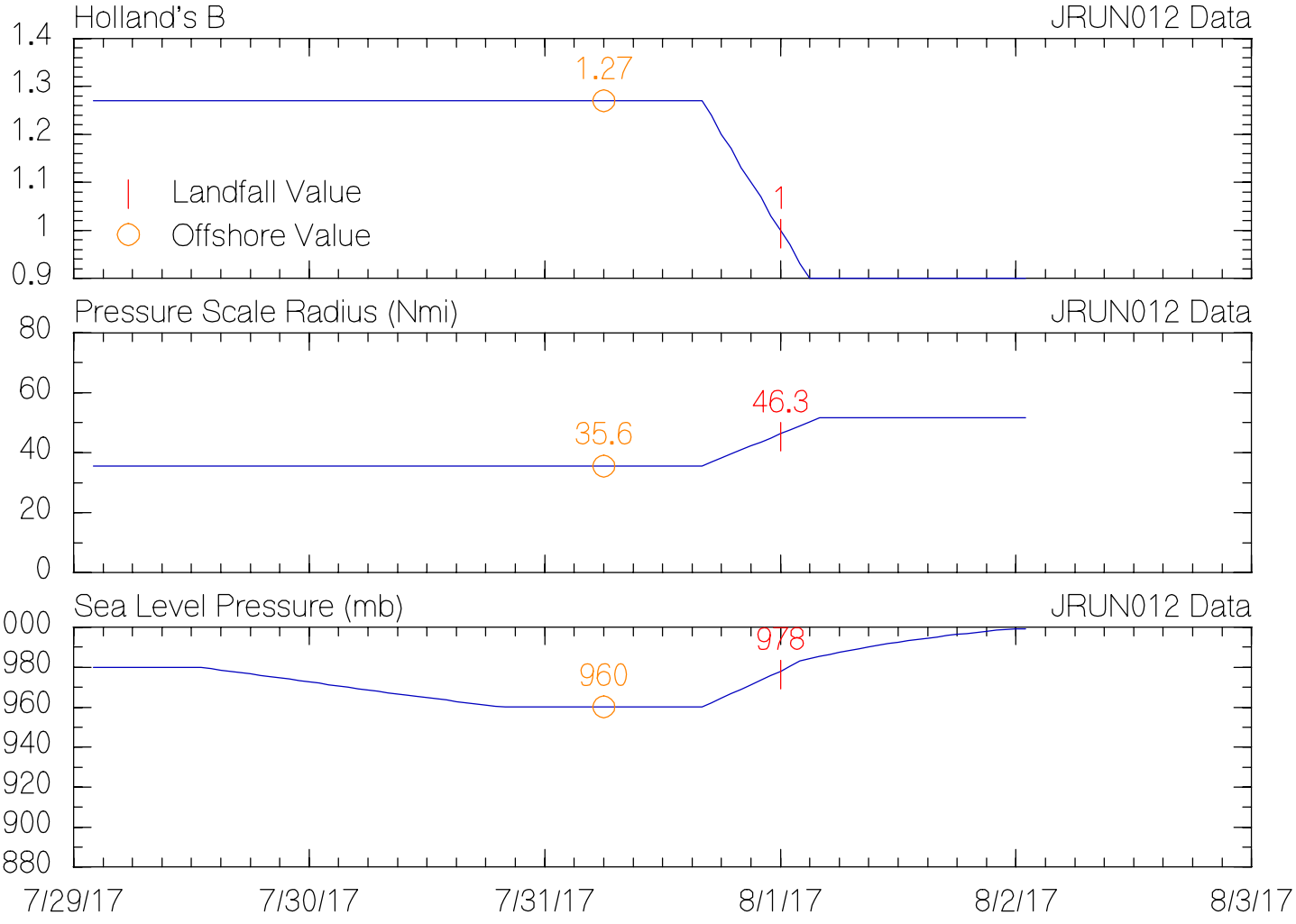

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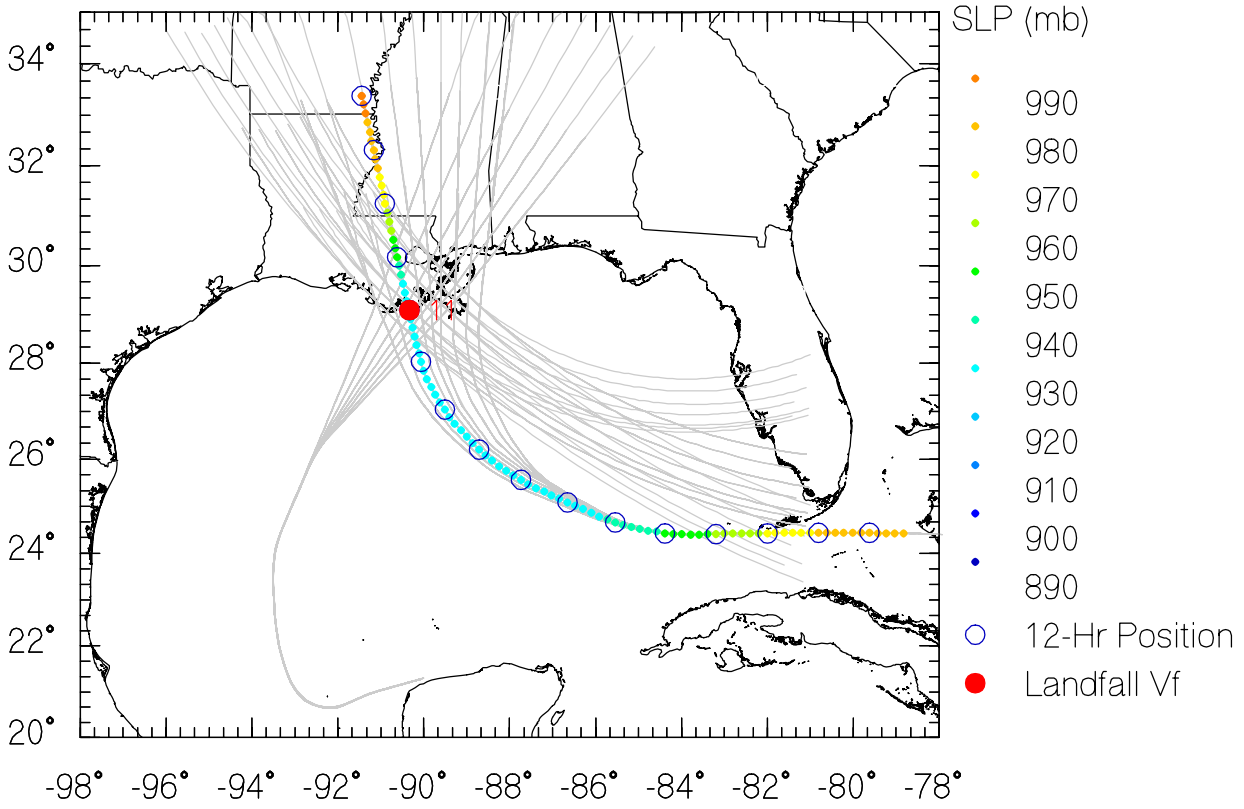

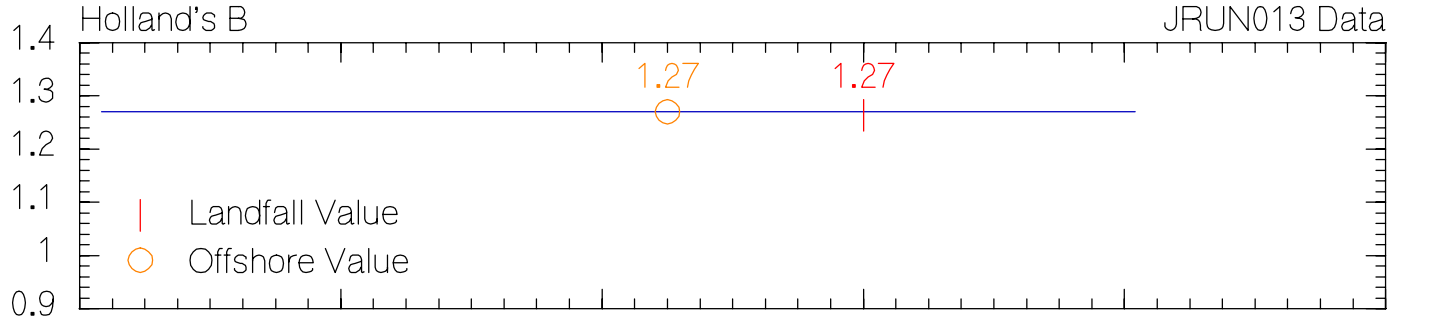

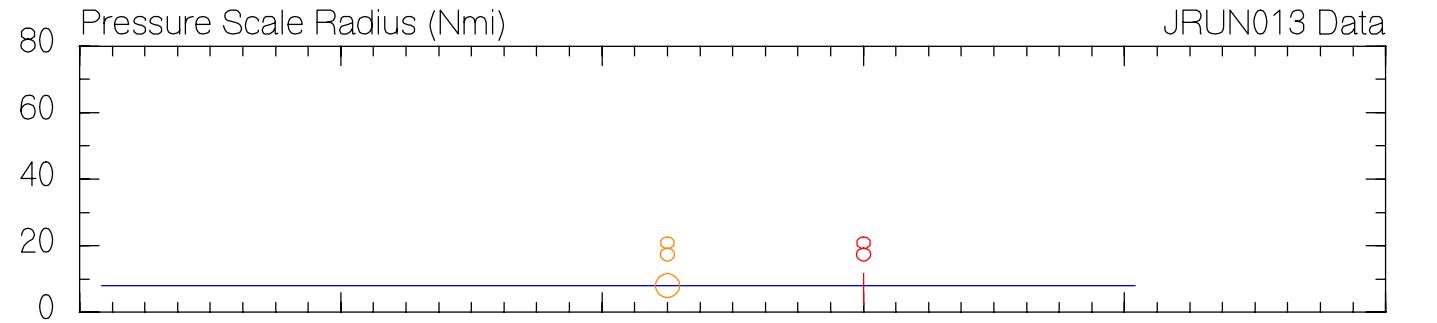

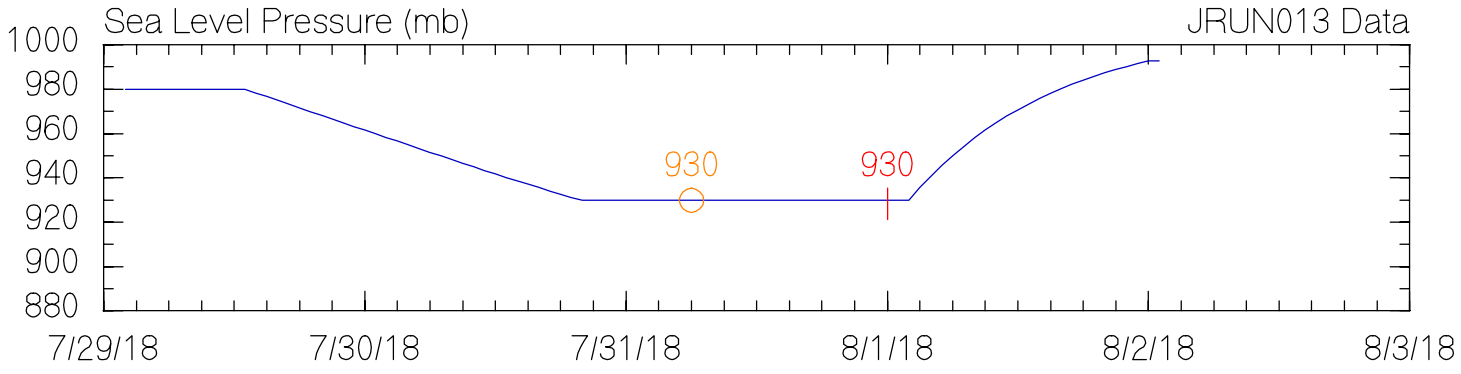

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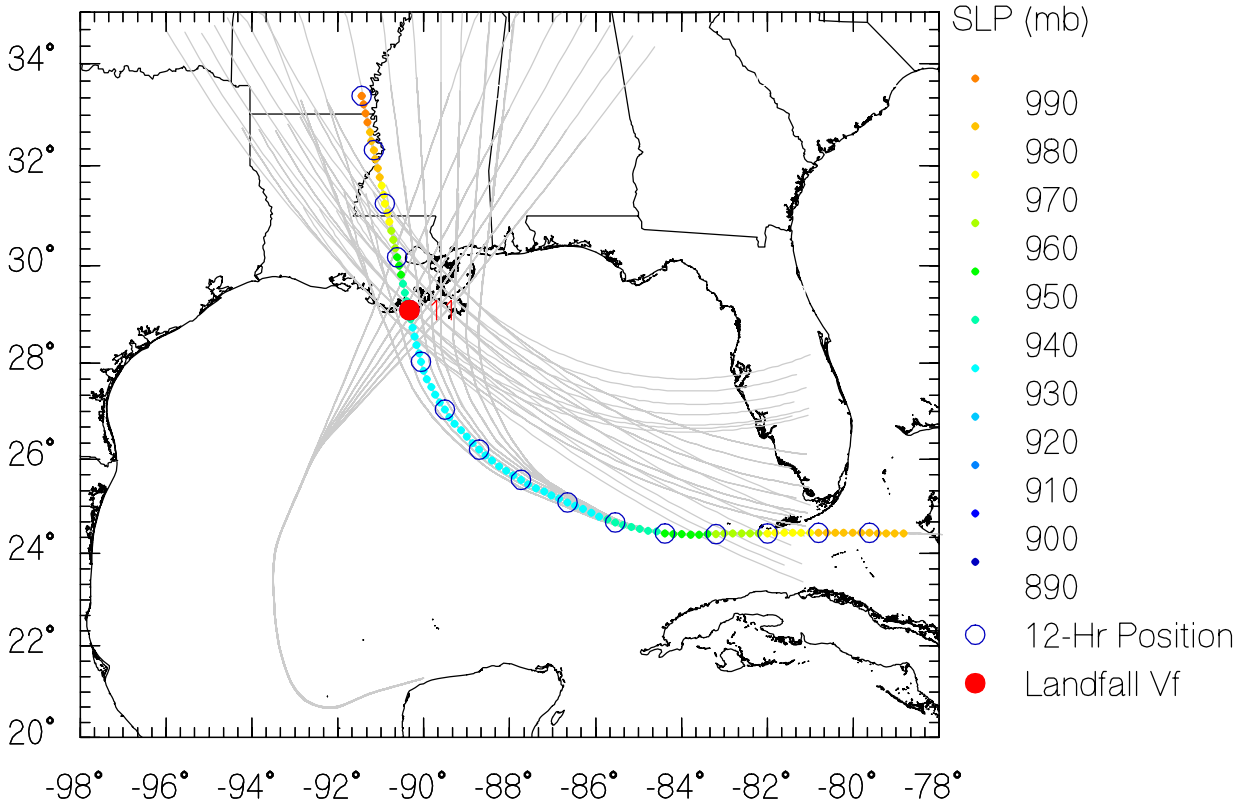

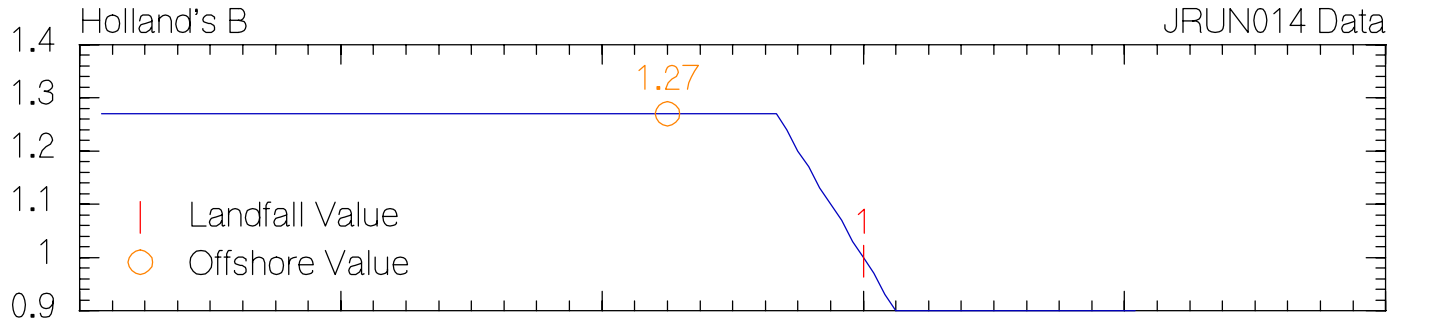

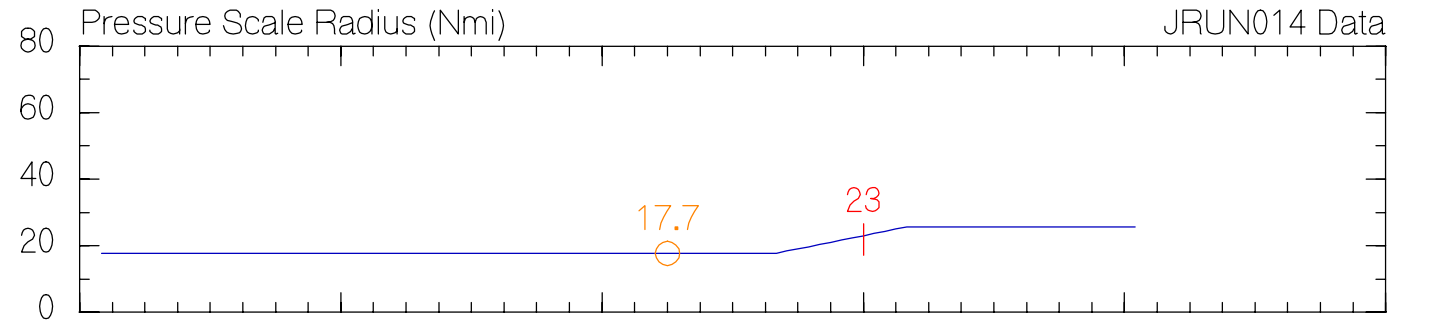

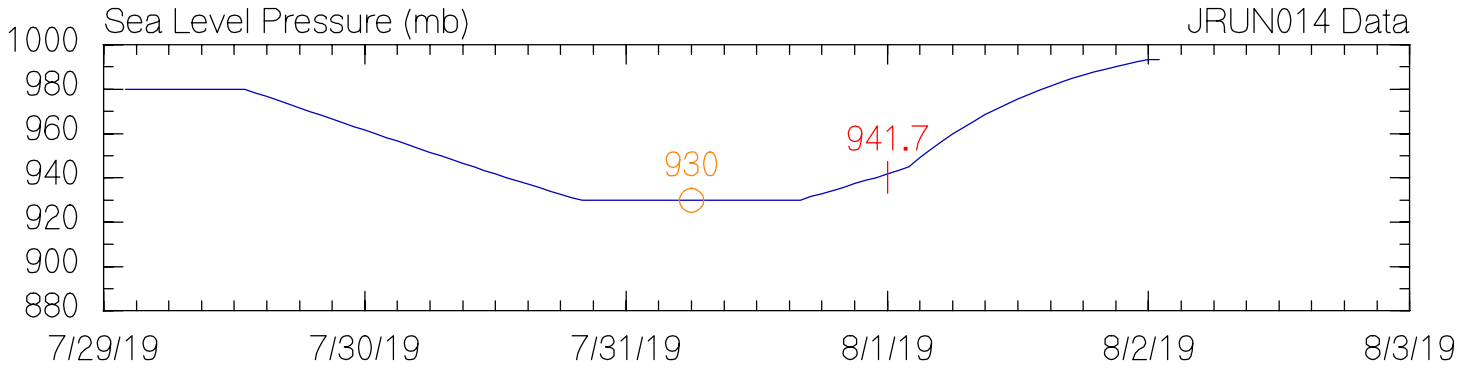

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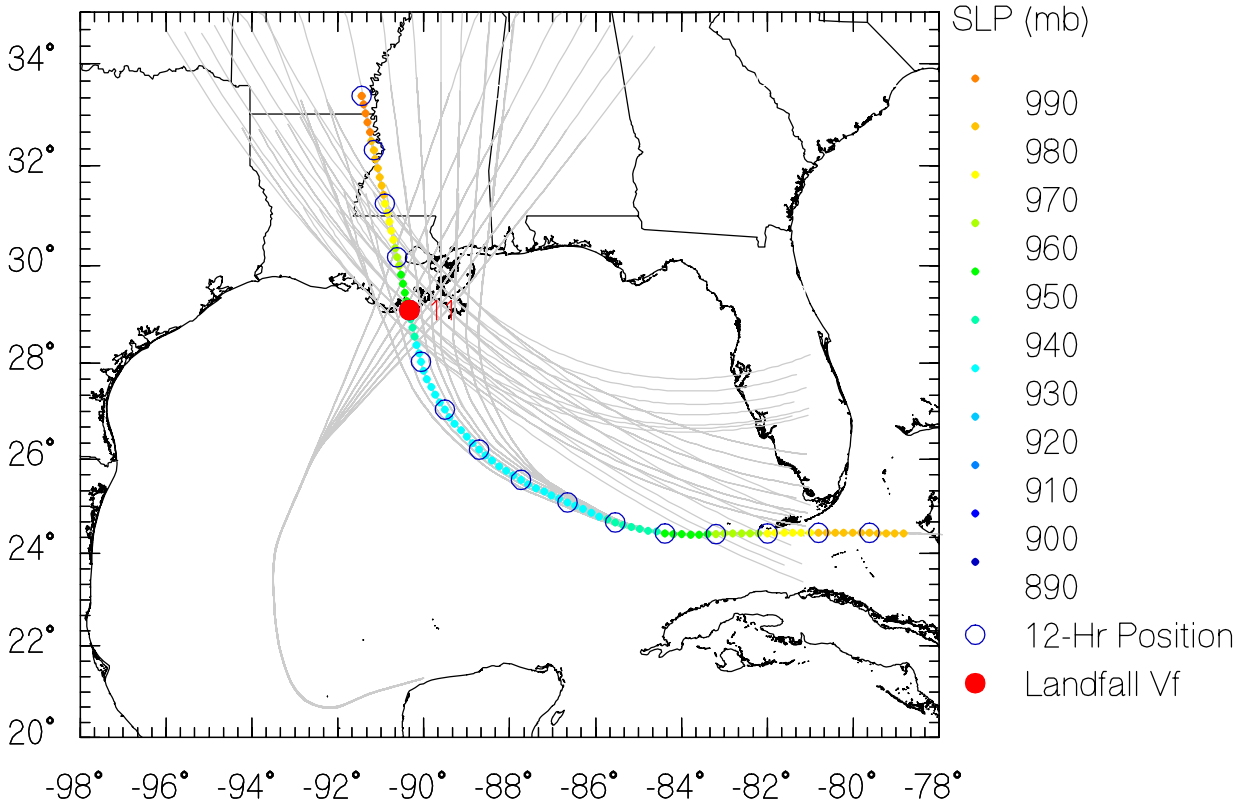

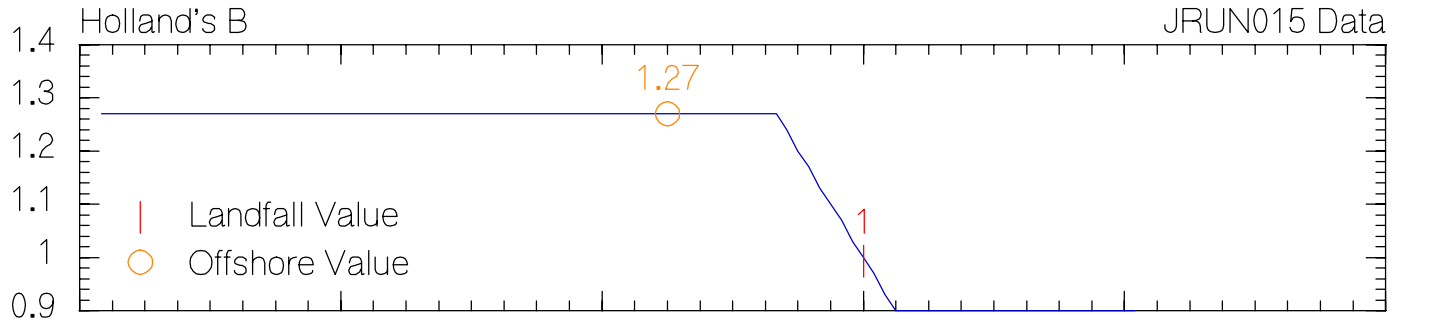

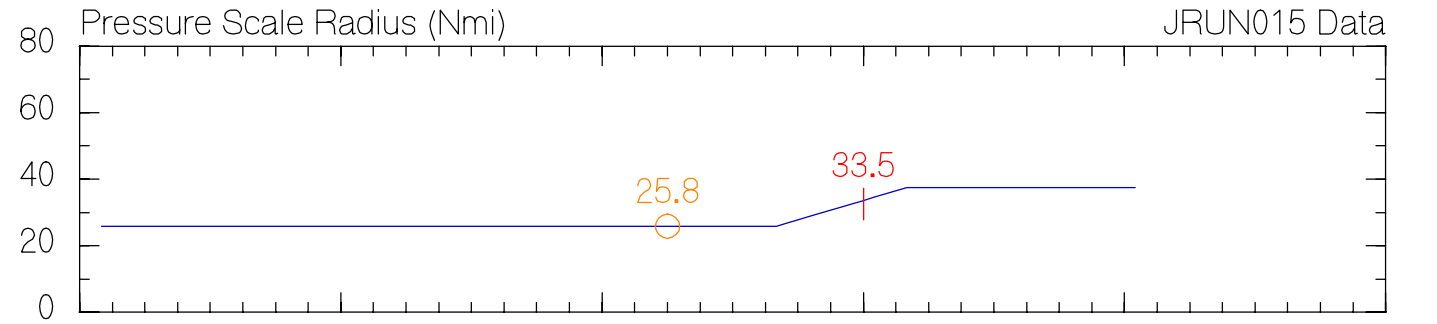

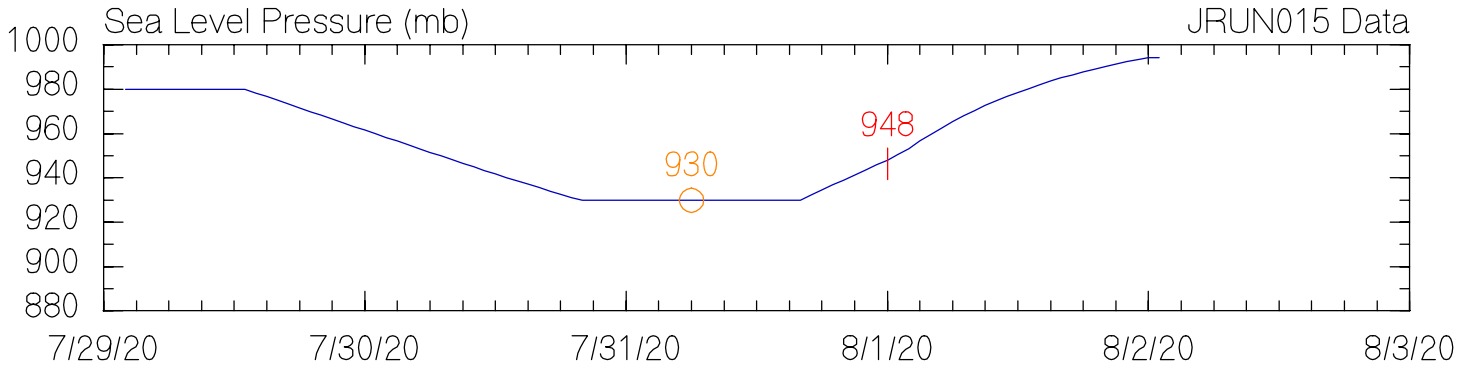

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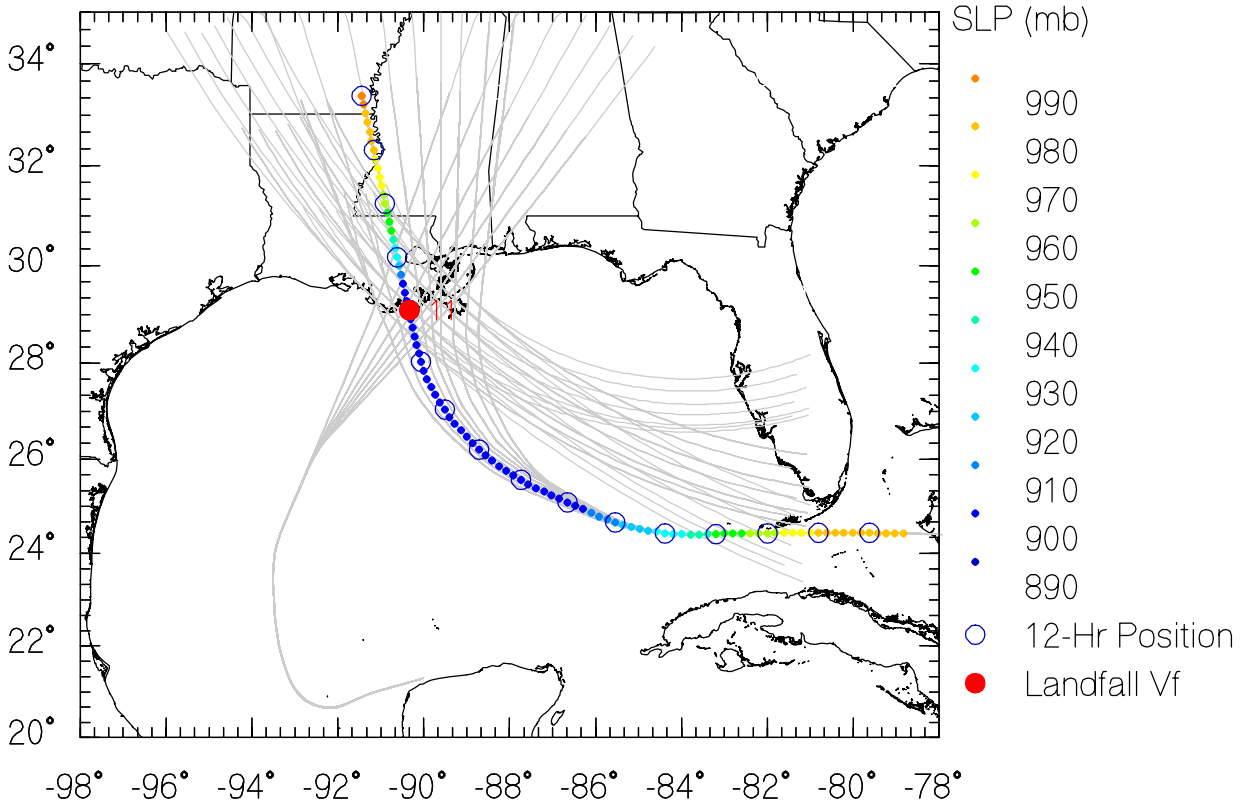

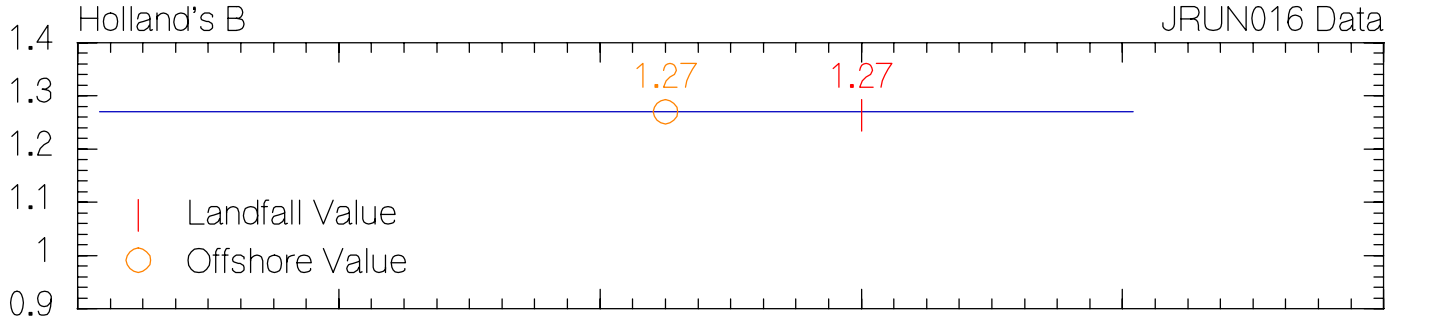

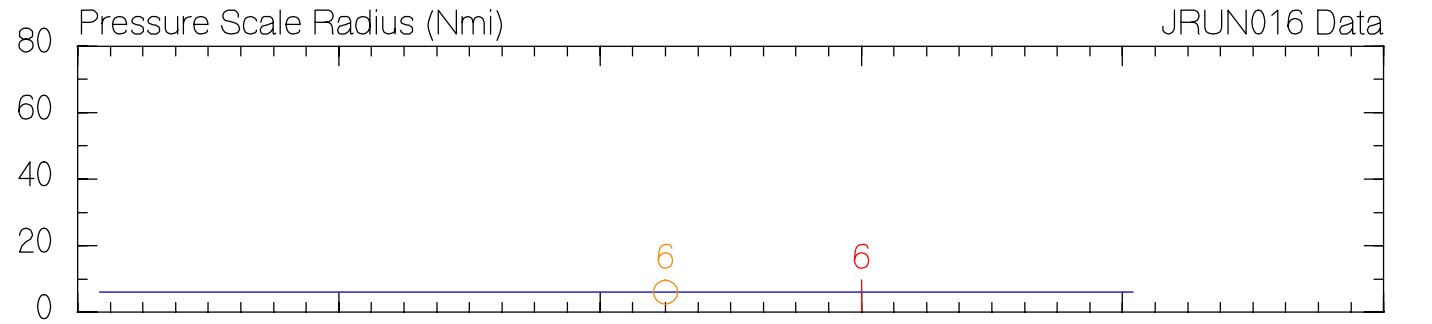

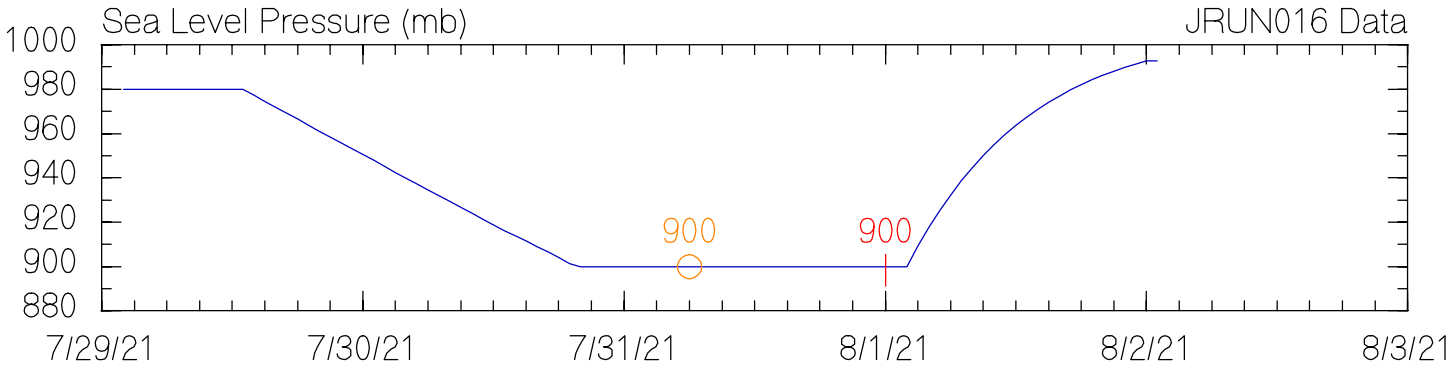

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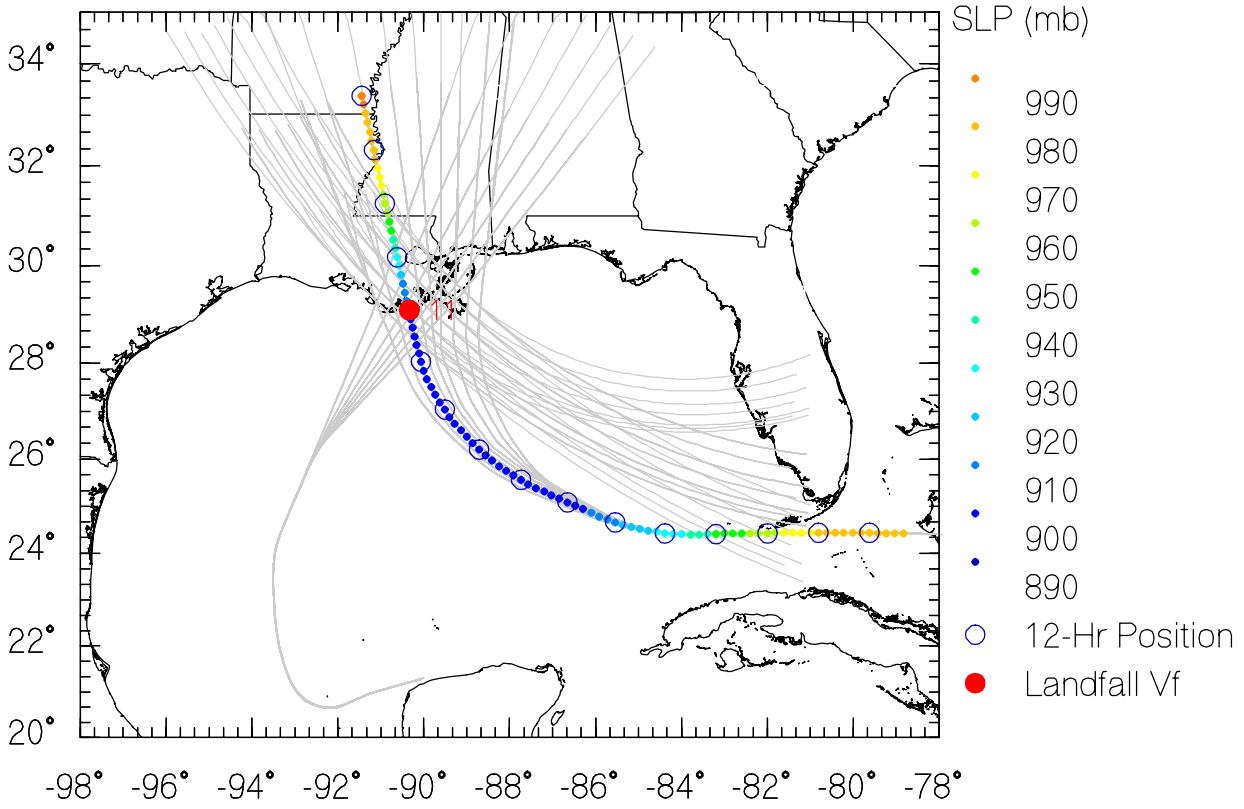

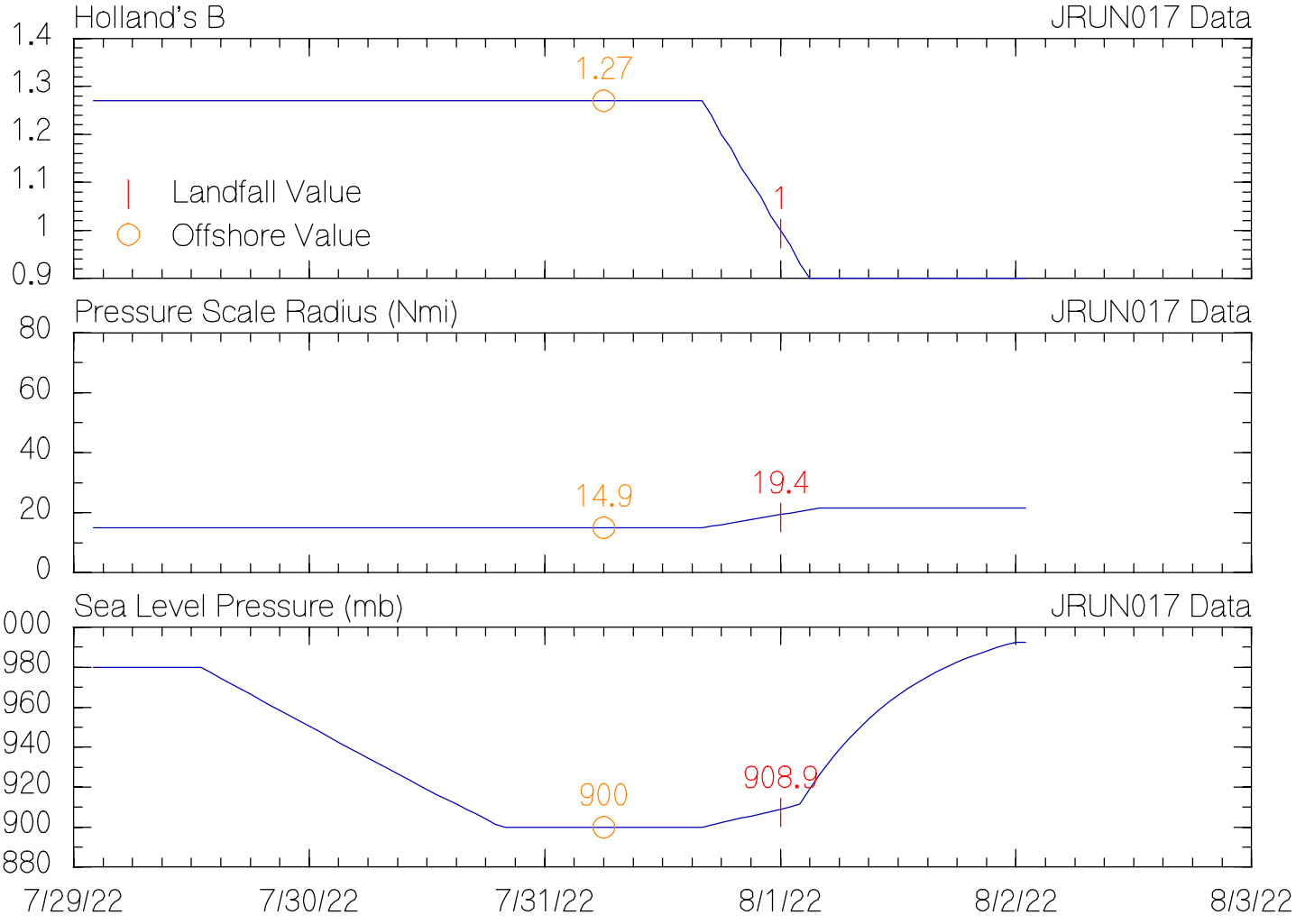

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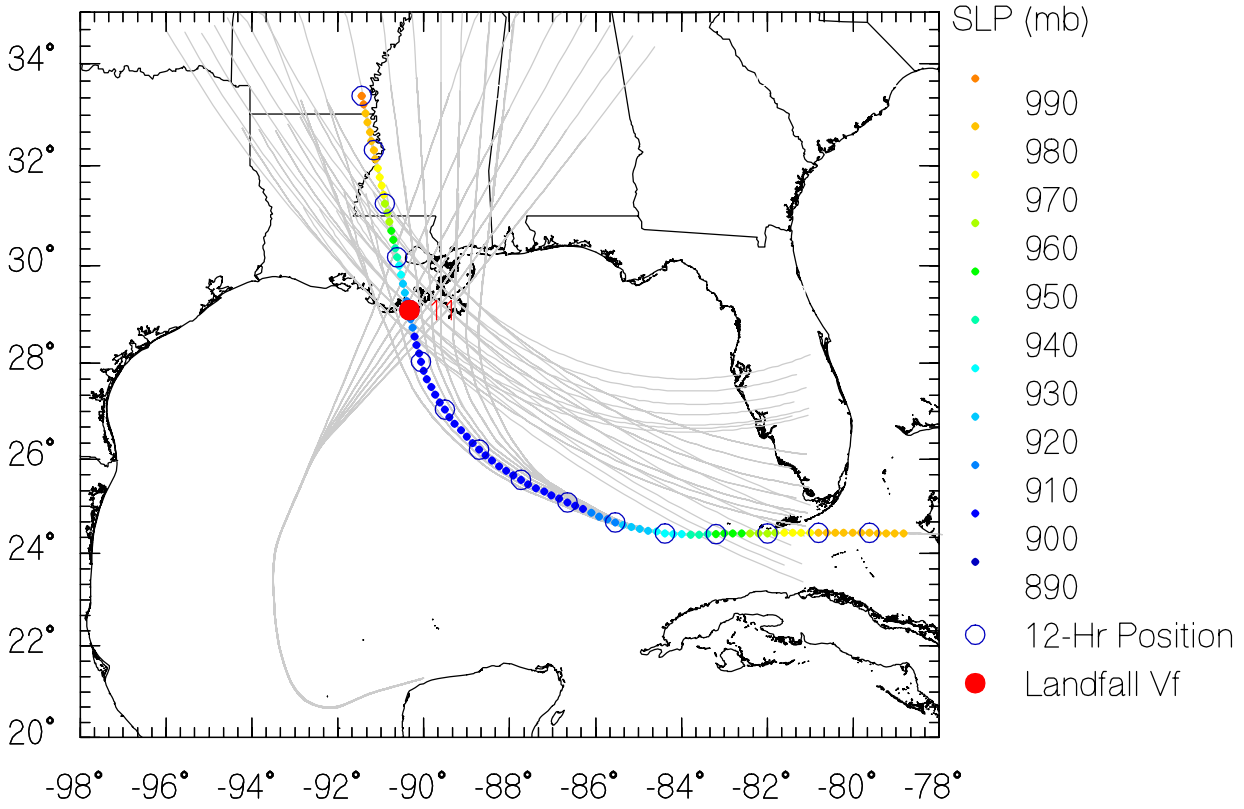

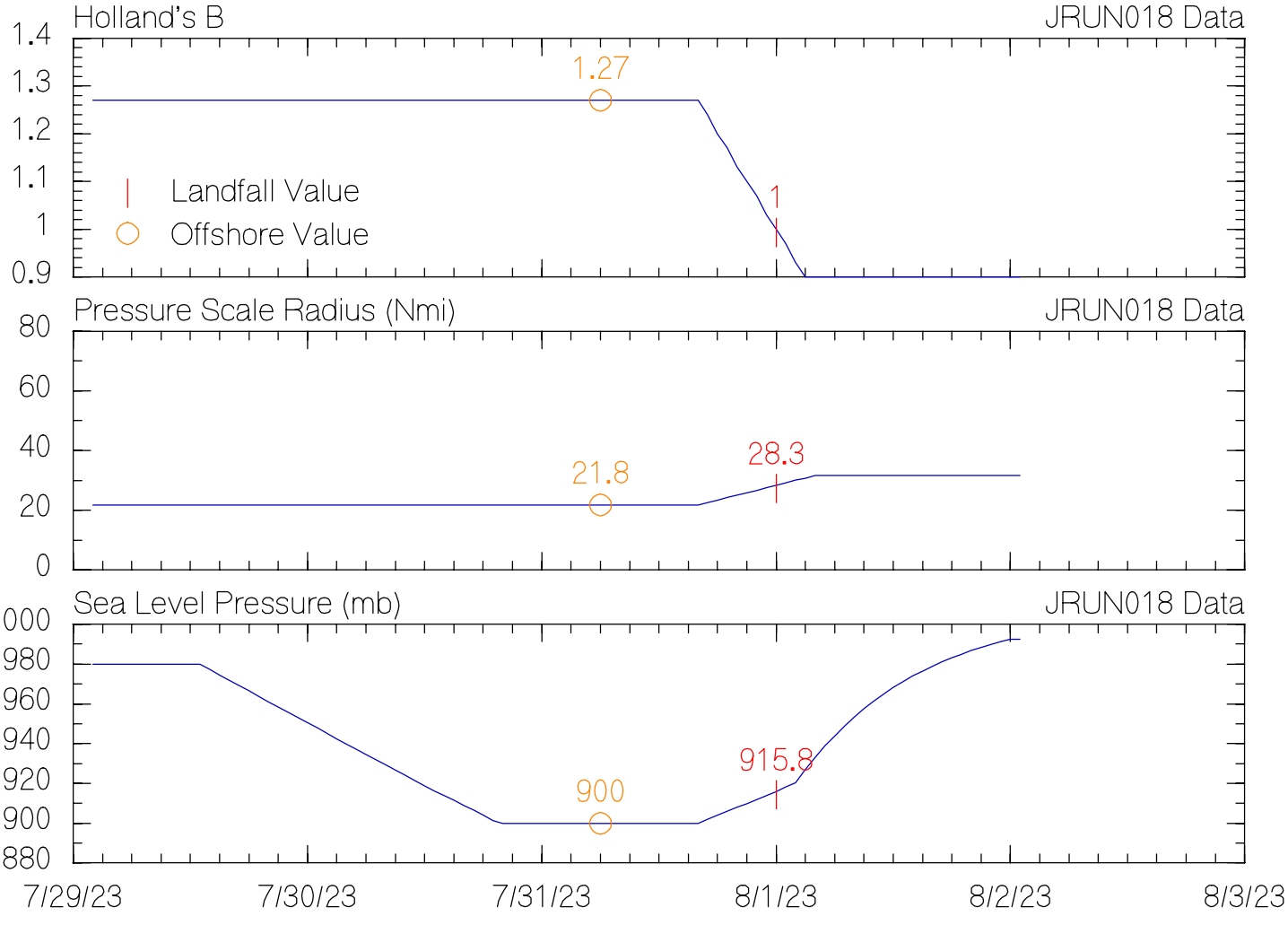

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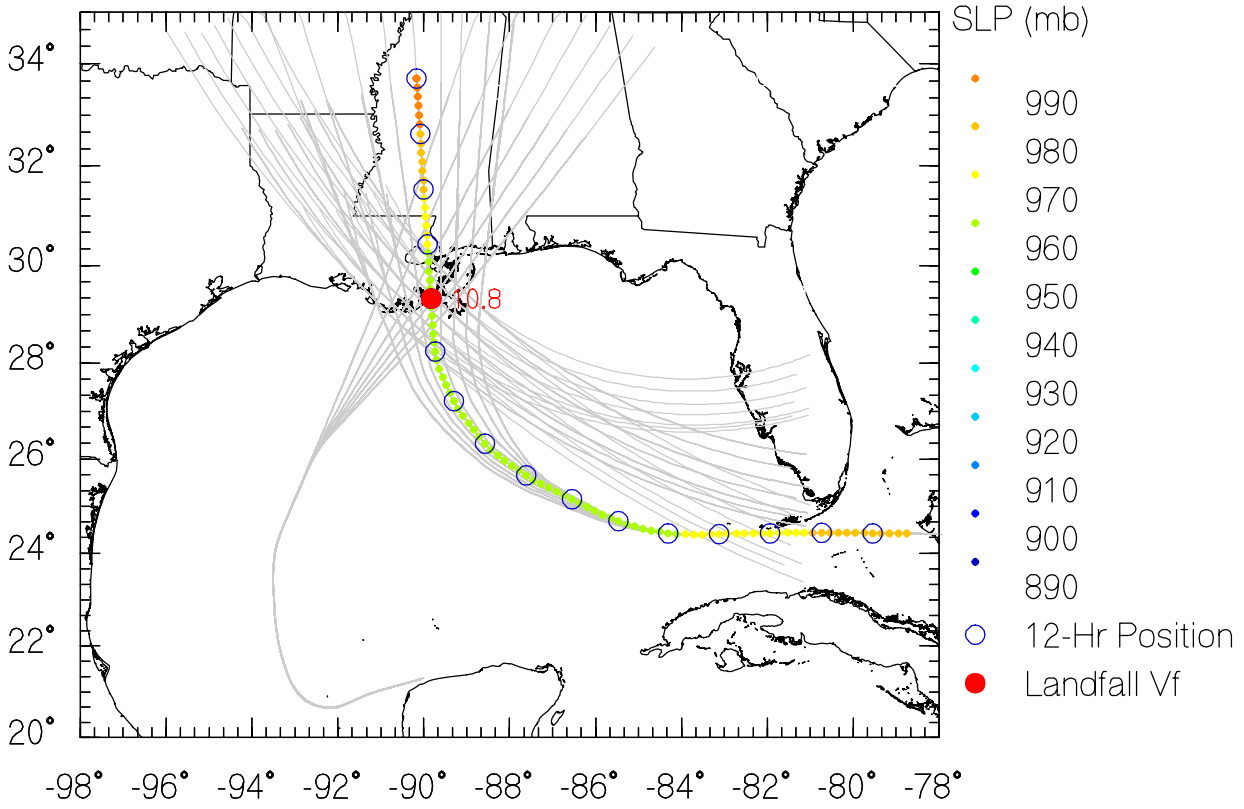

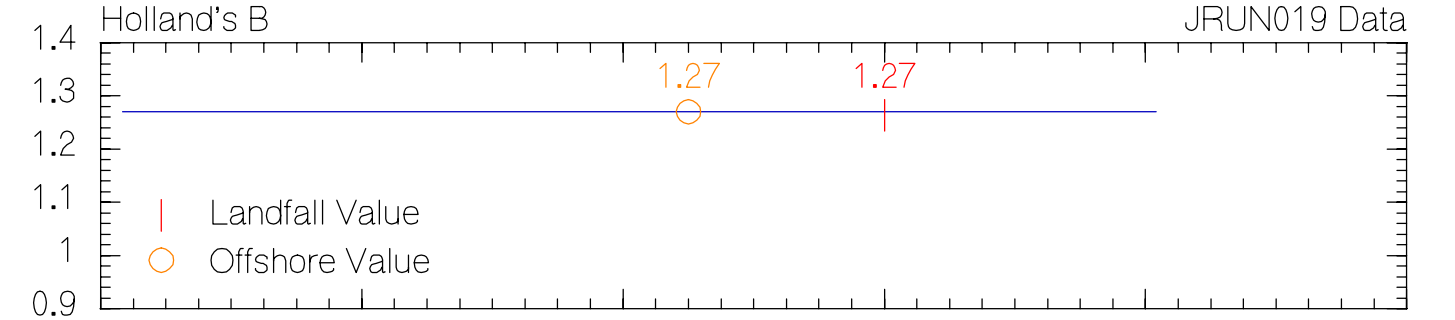

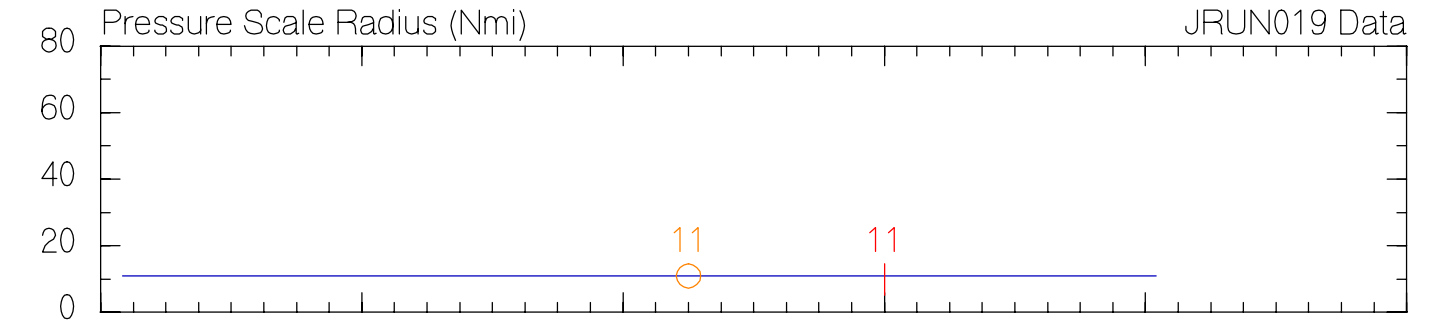

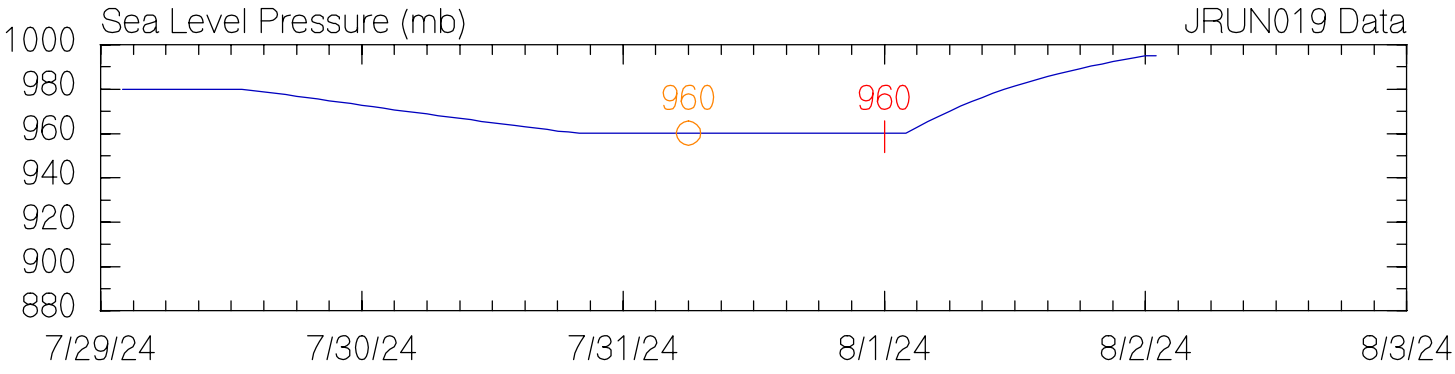

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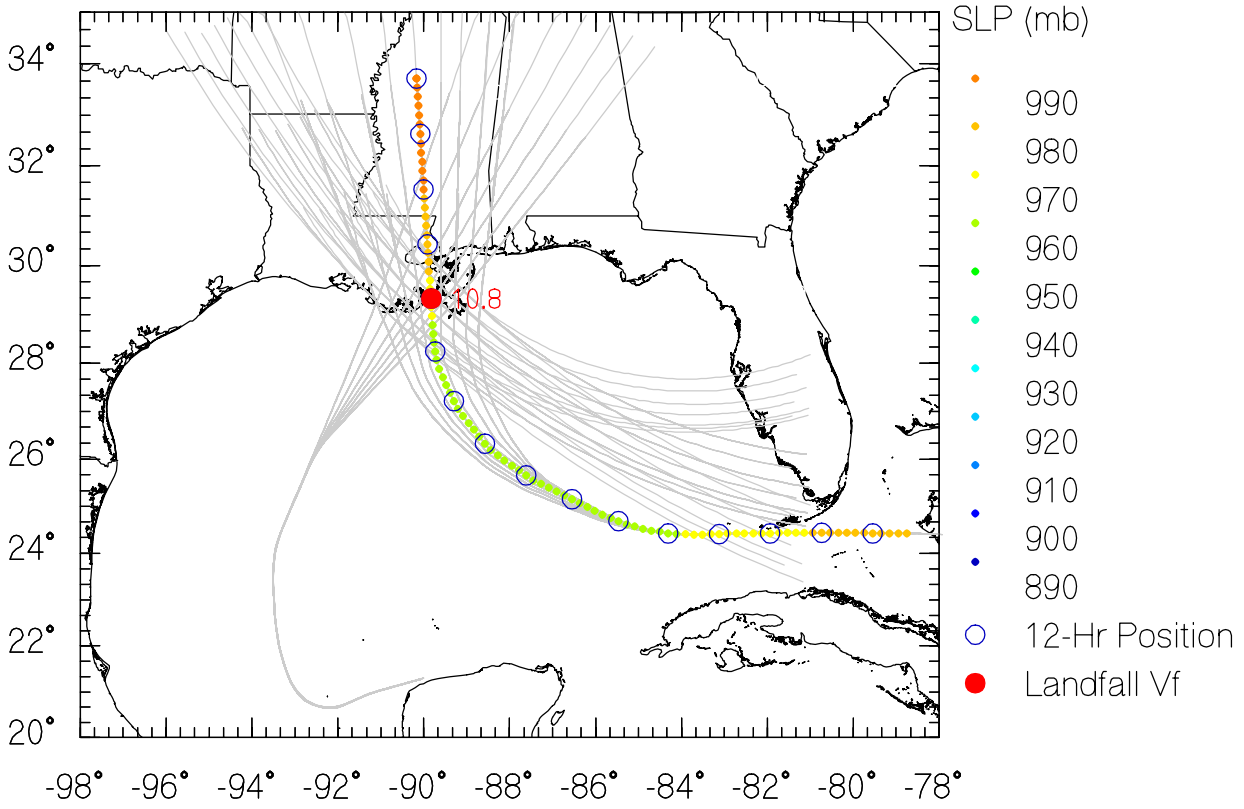

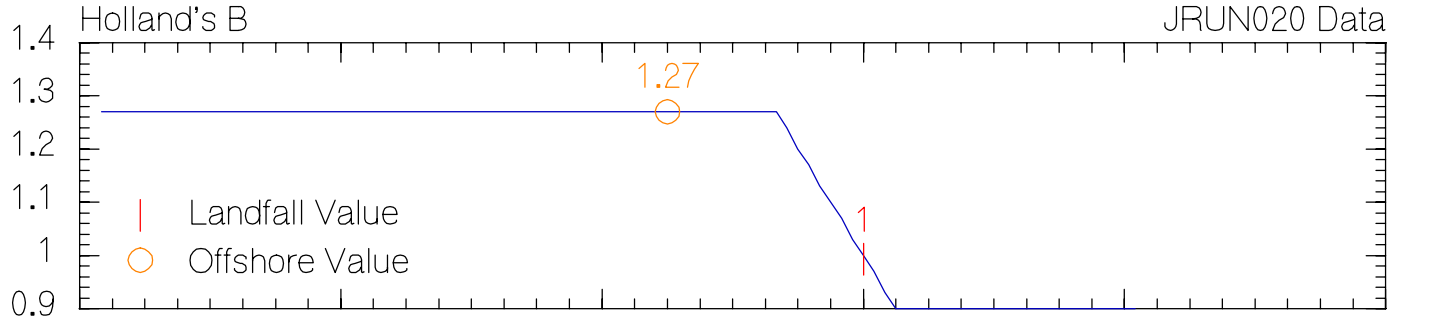

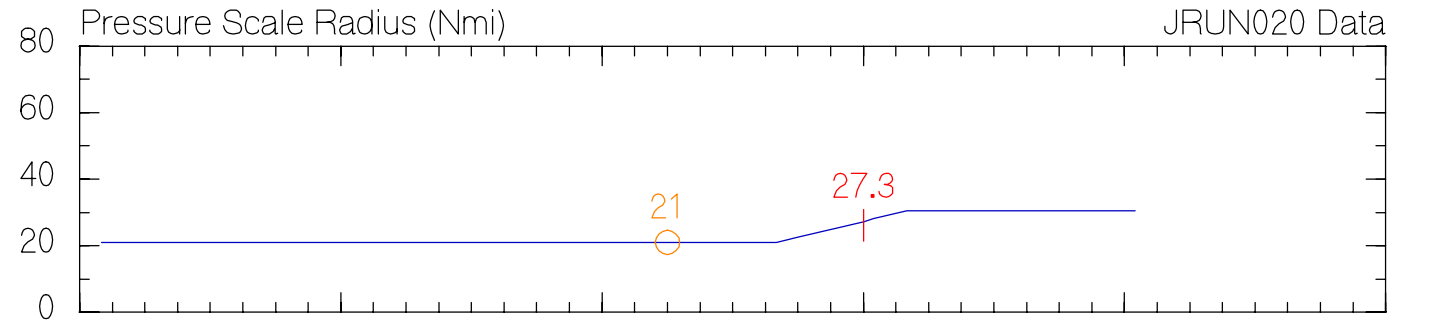

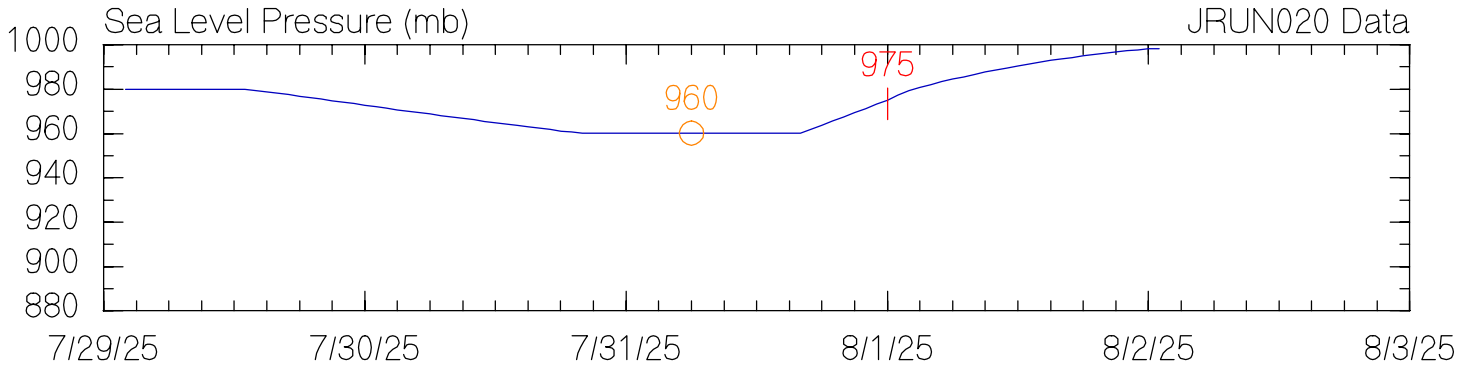

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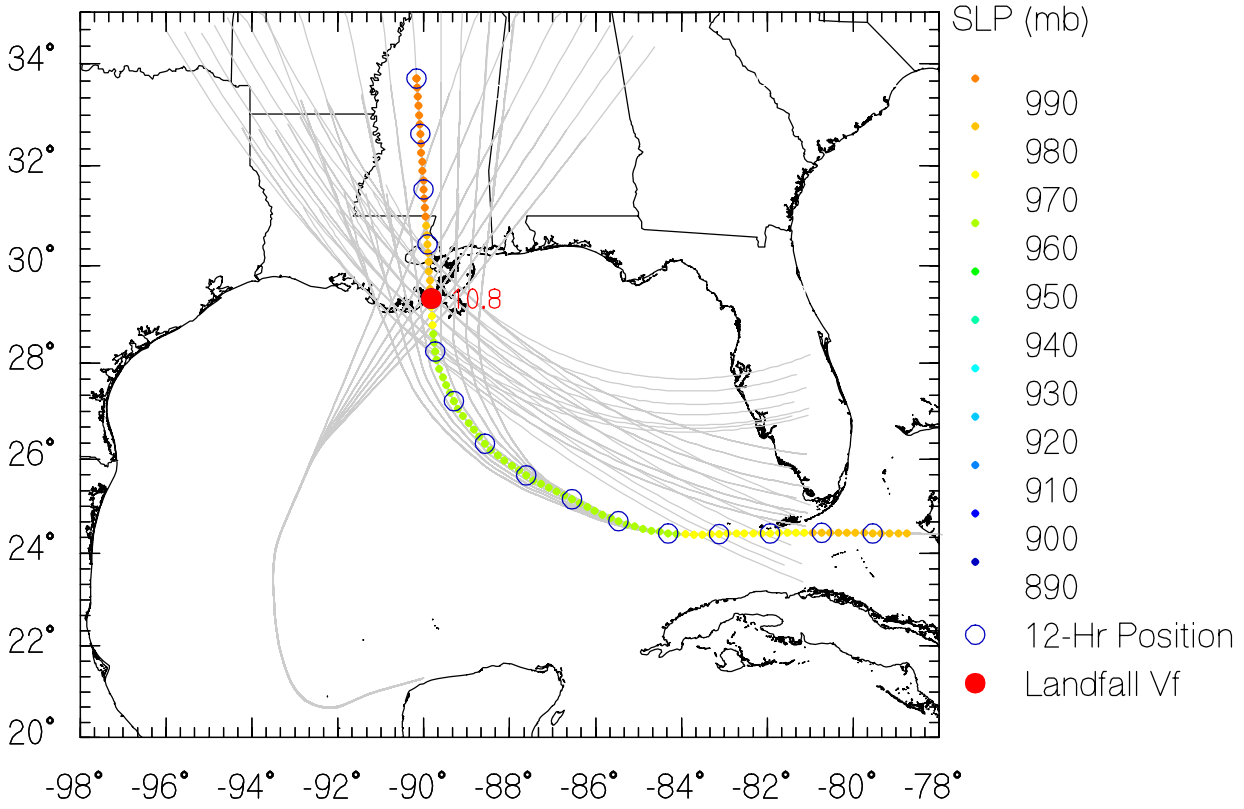

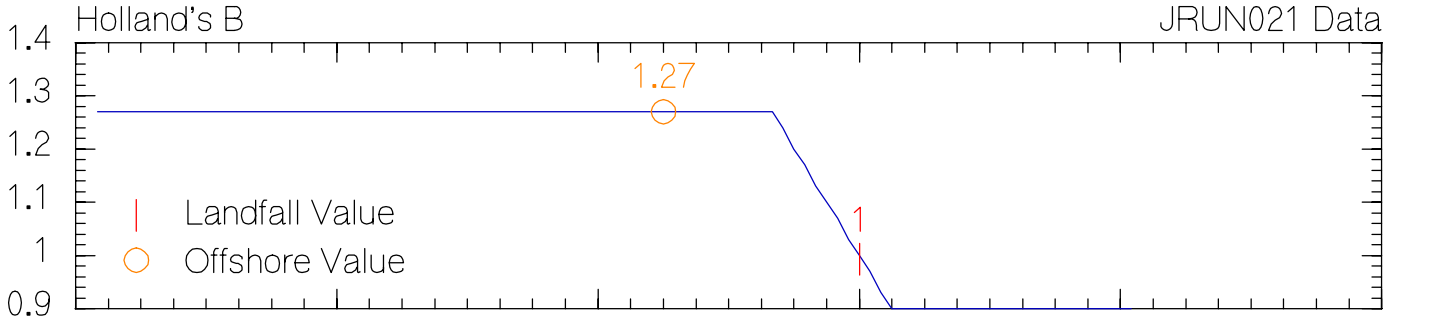

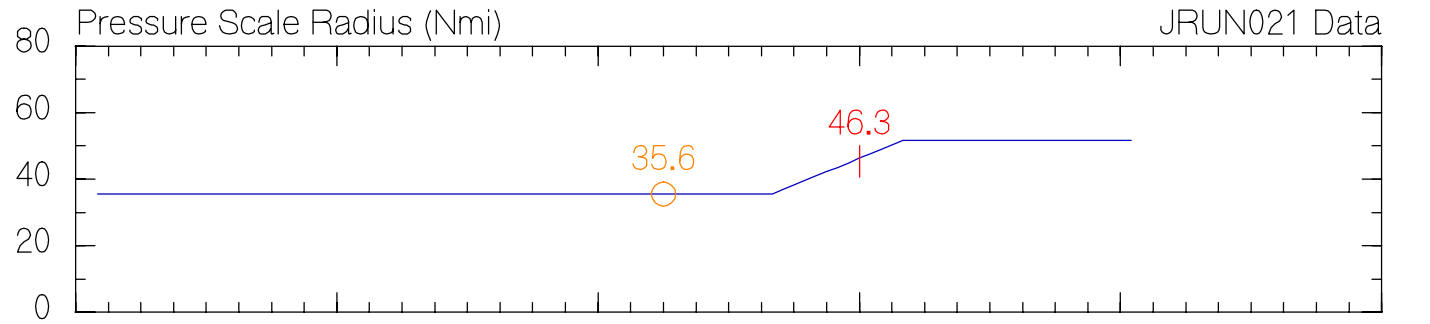

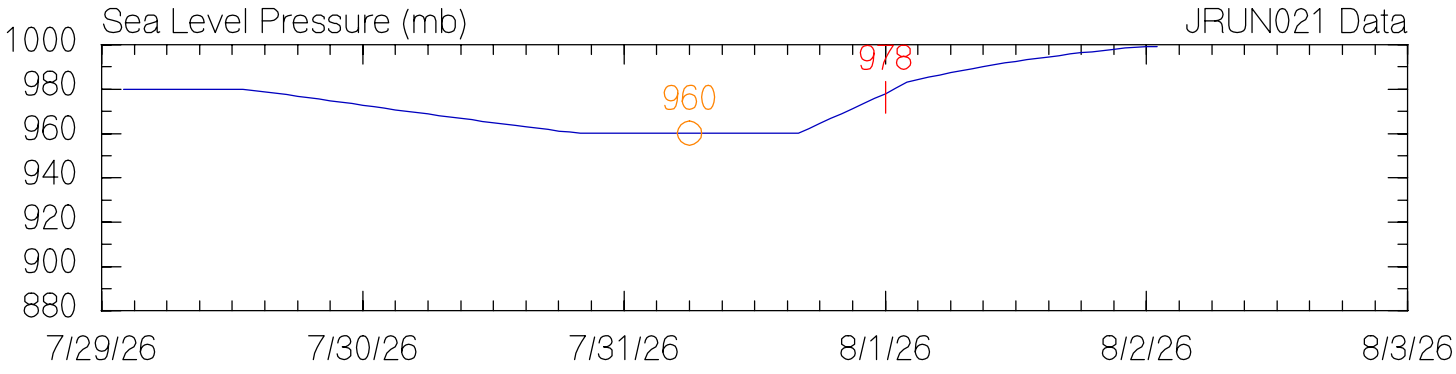

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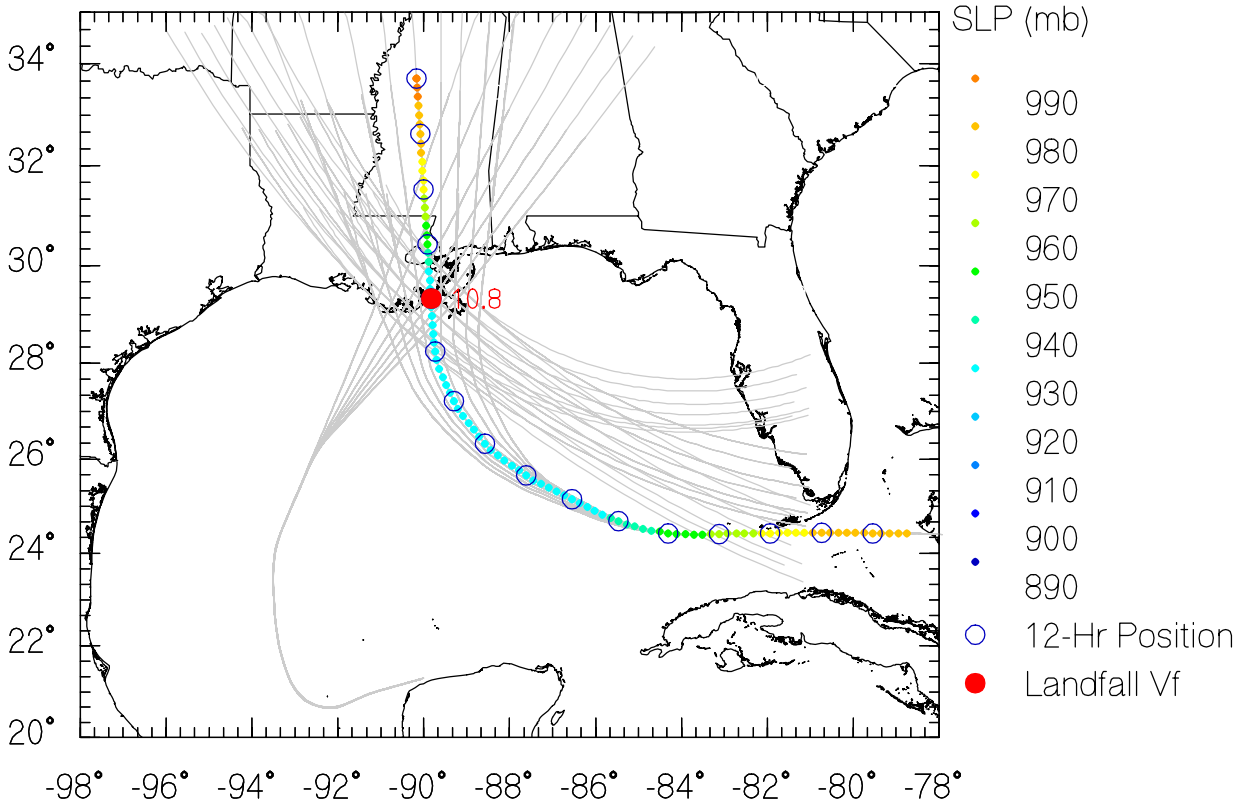
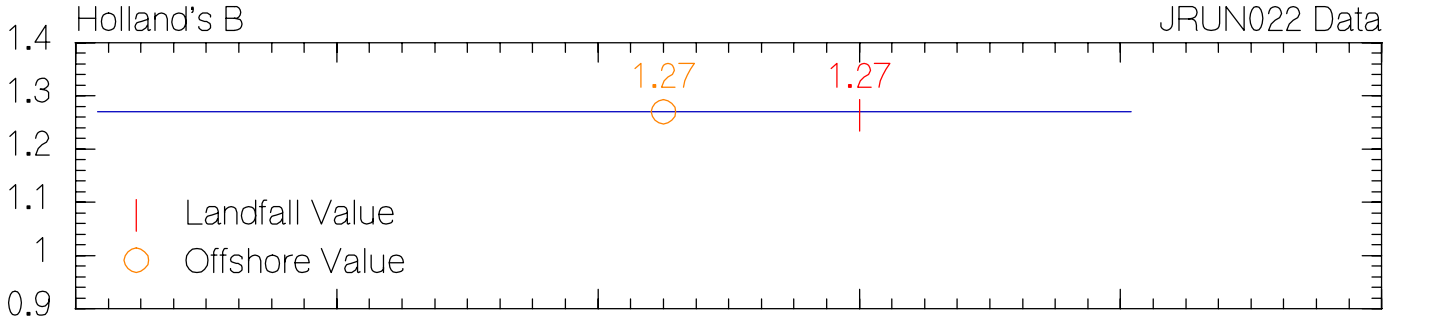
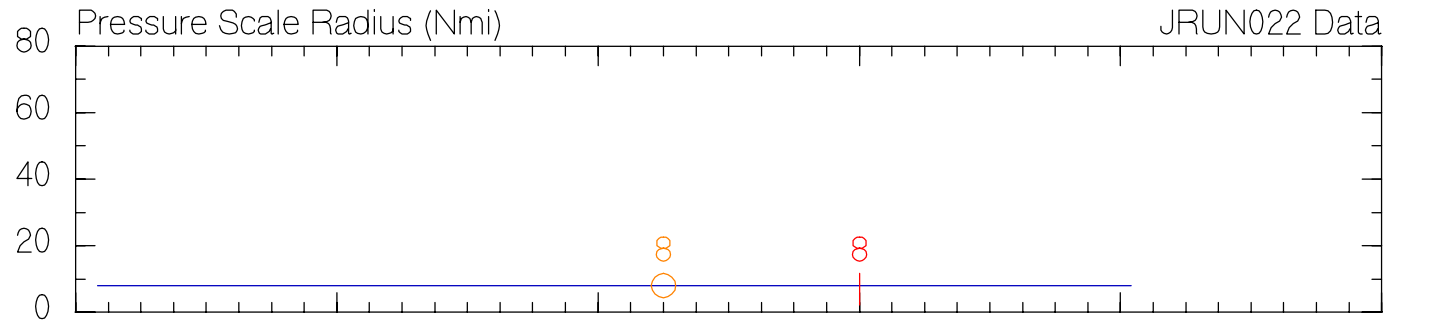
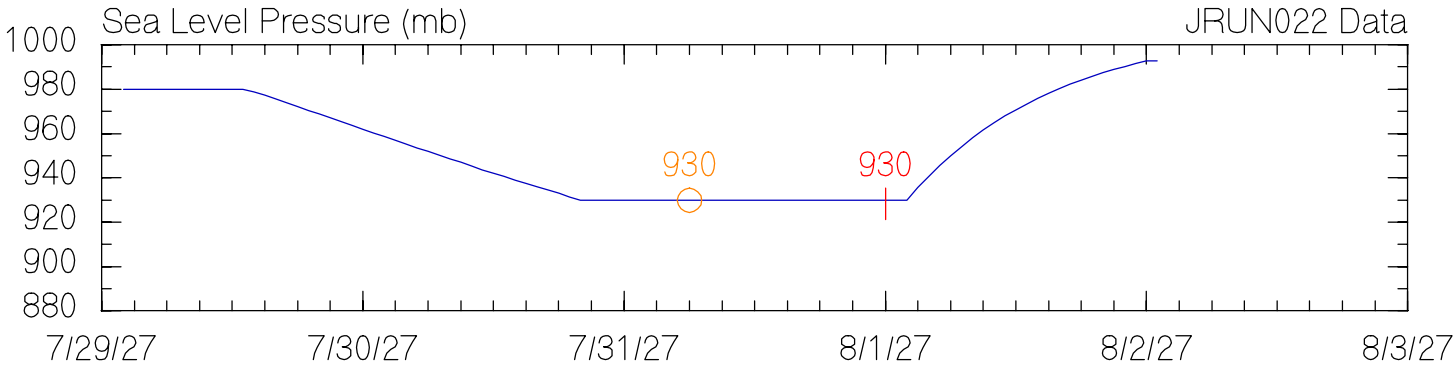
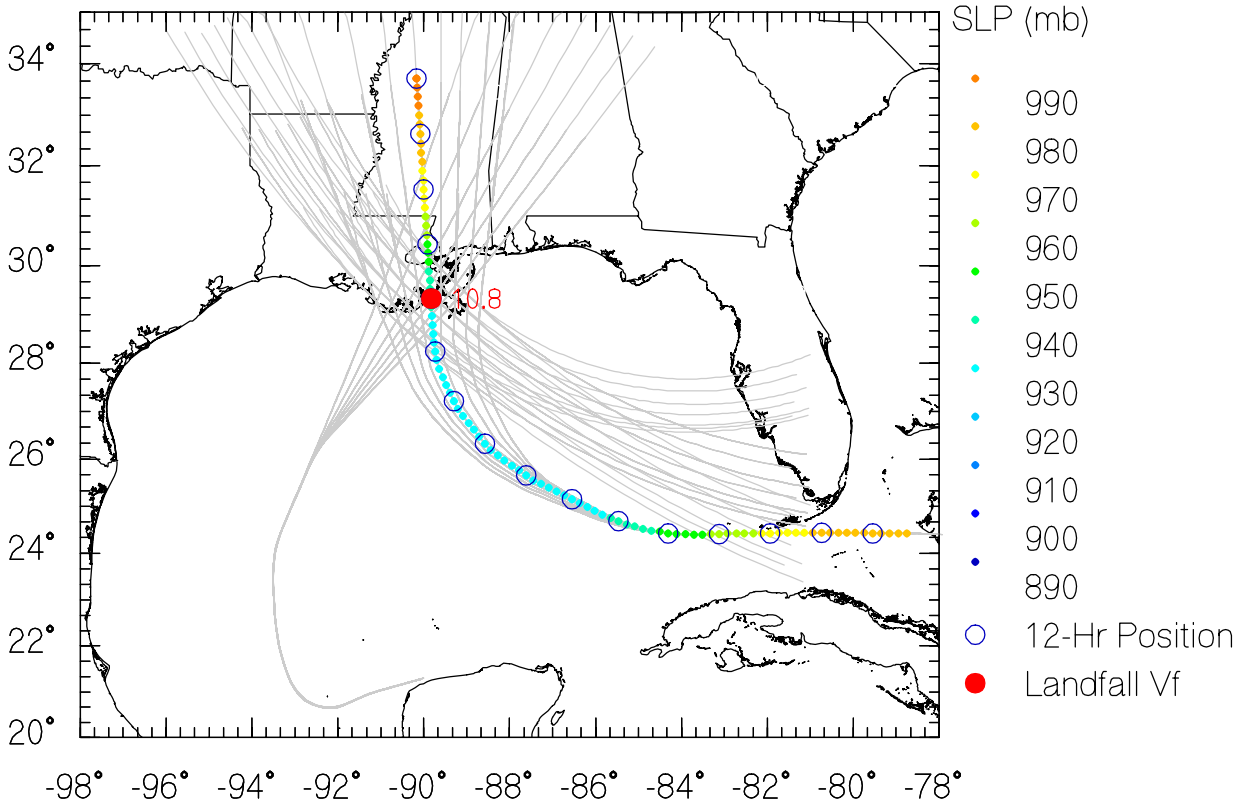


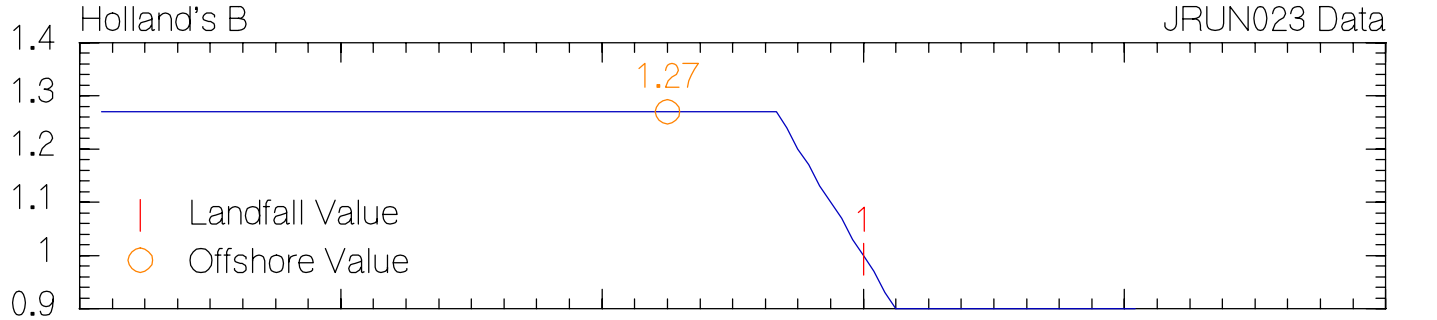


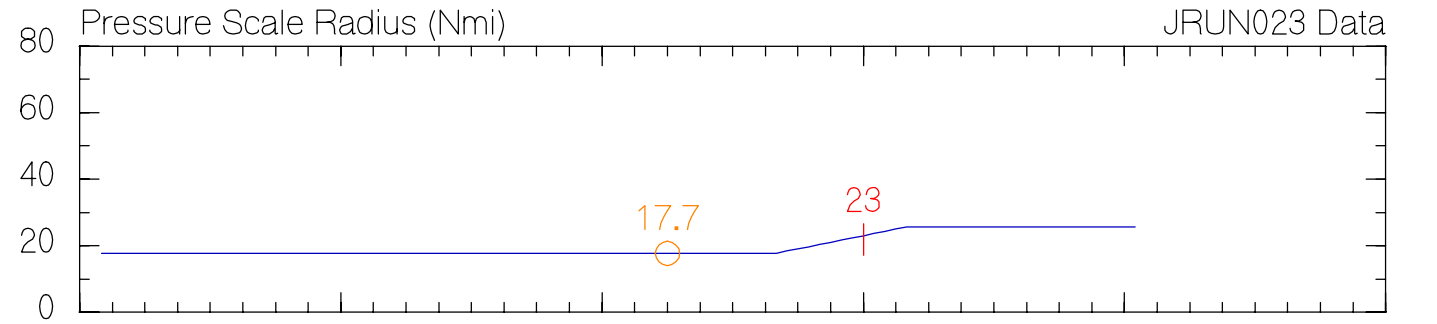


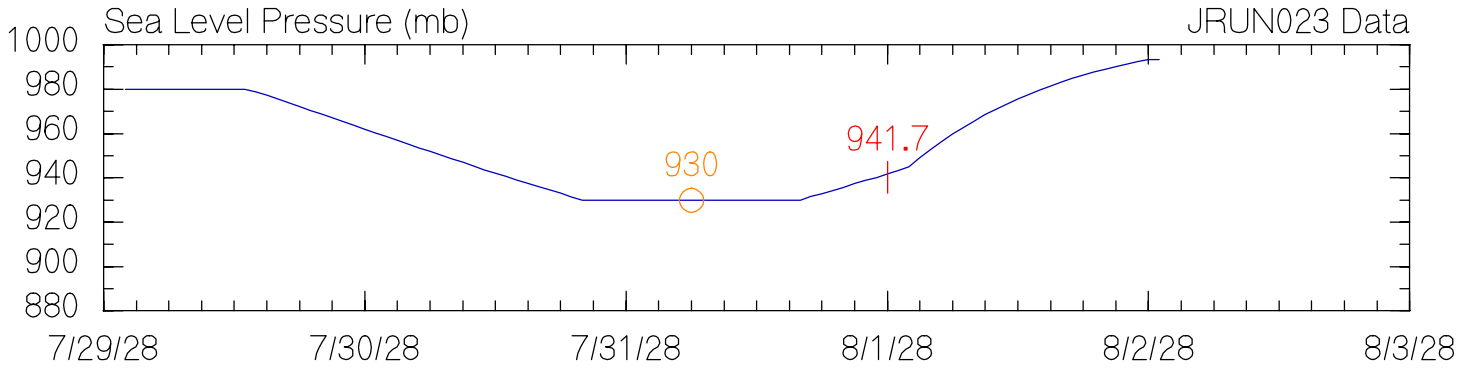


JRUN023 Data









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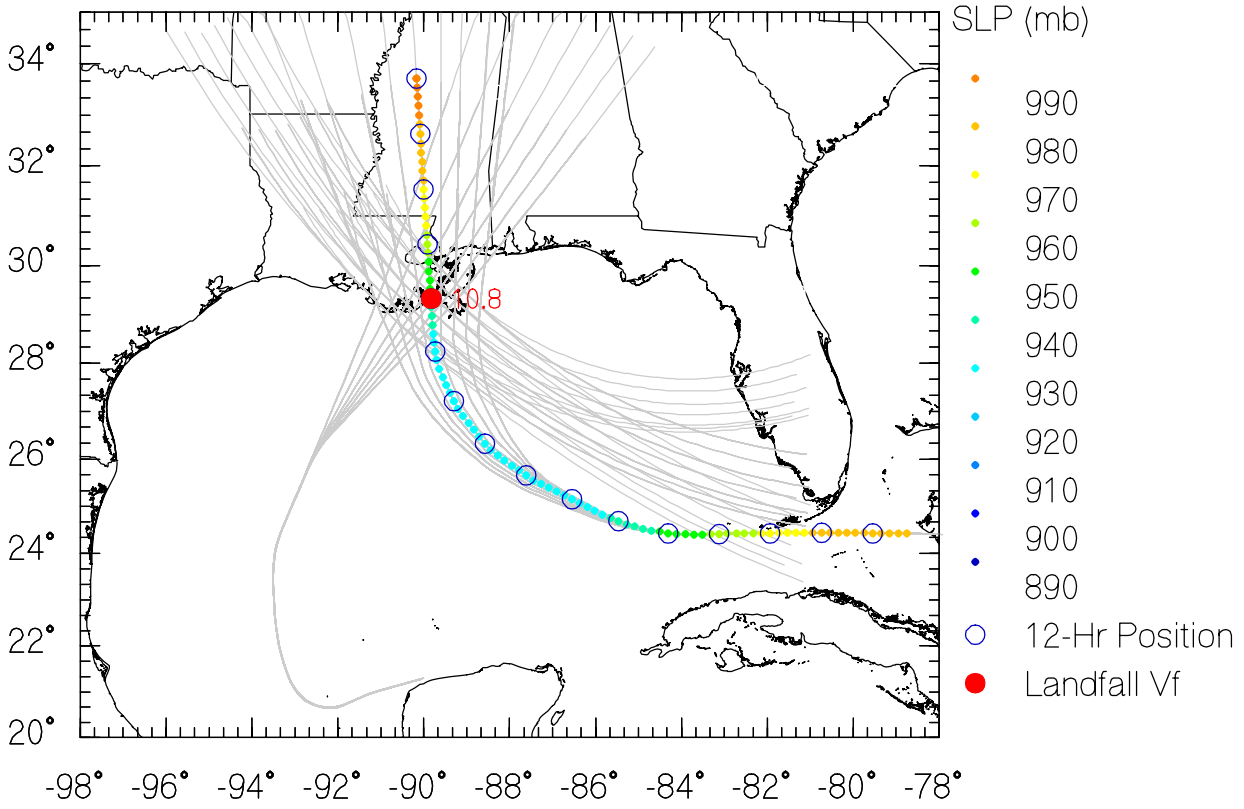

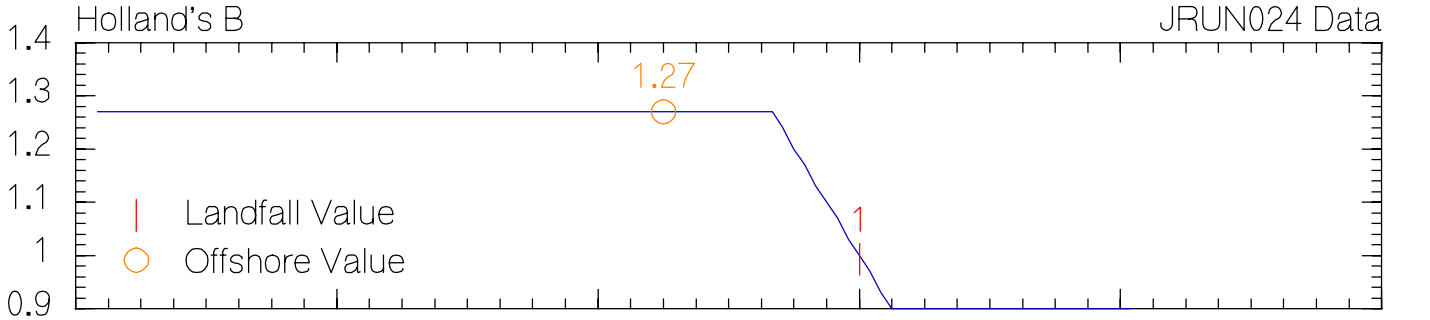

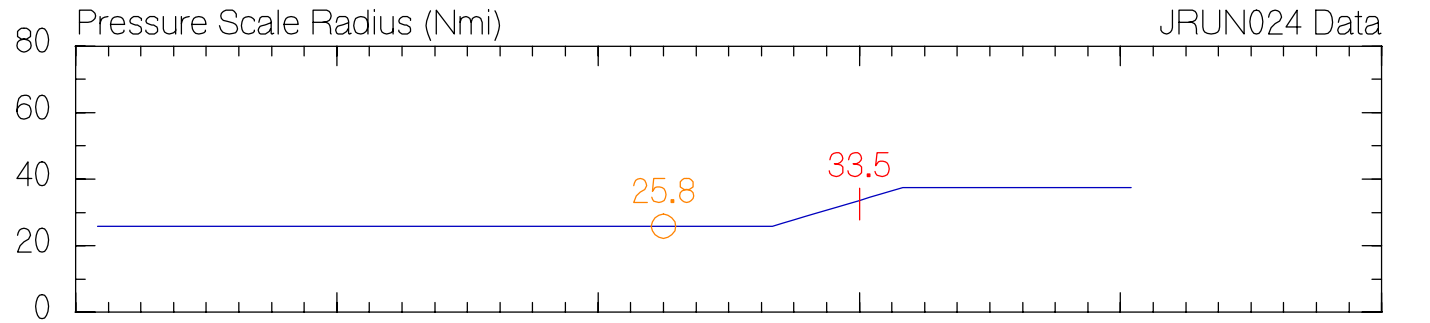

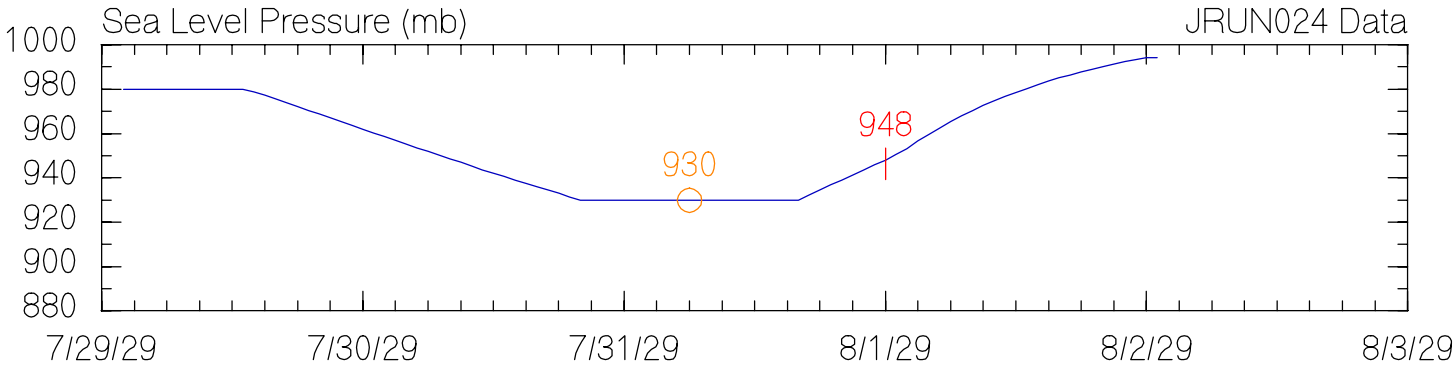

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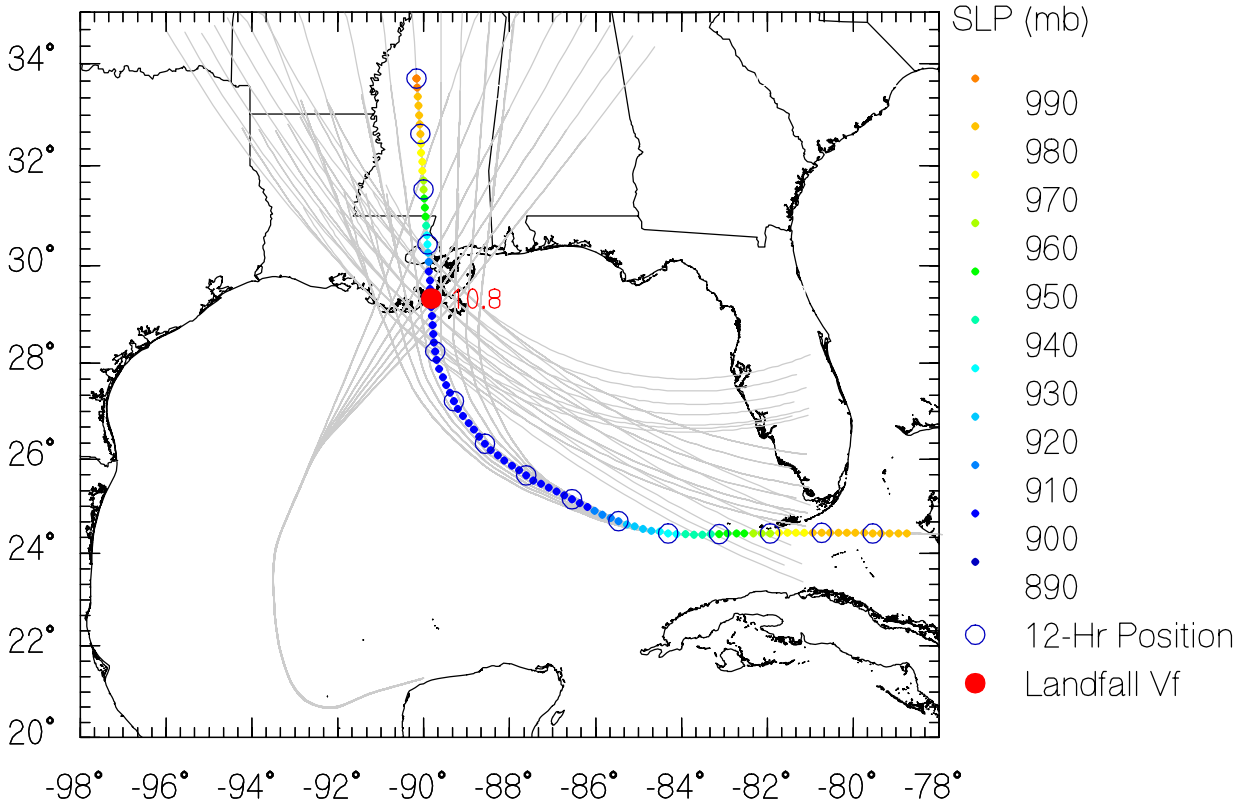
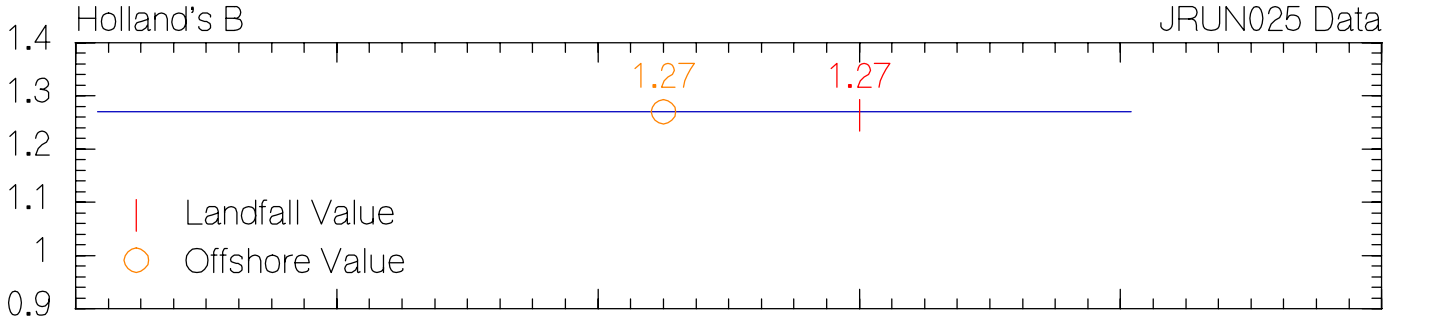
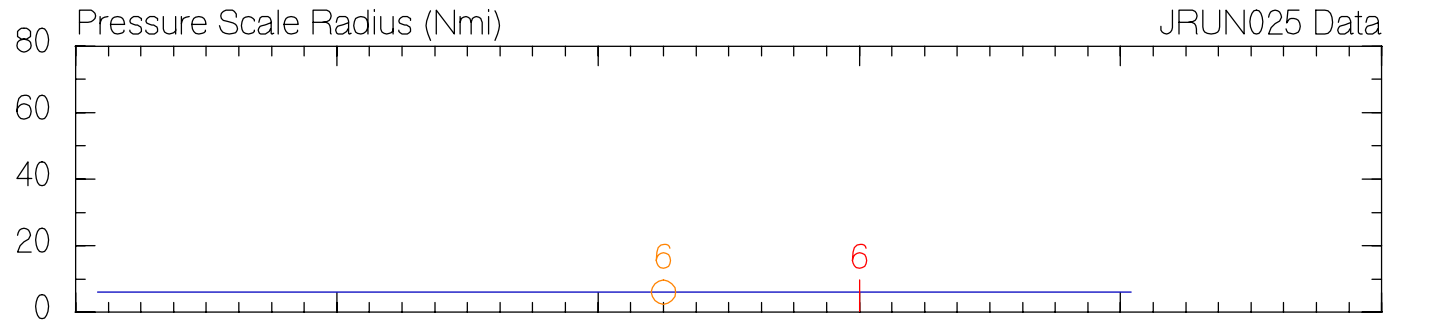
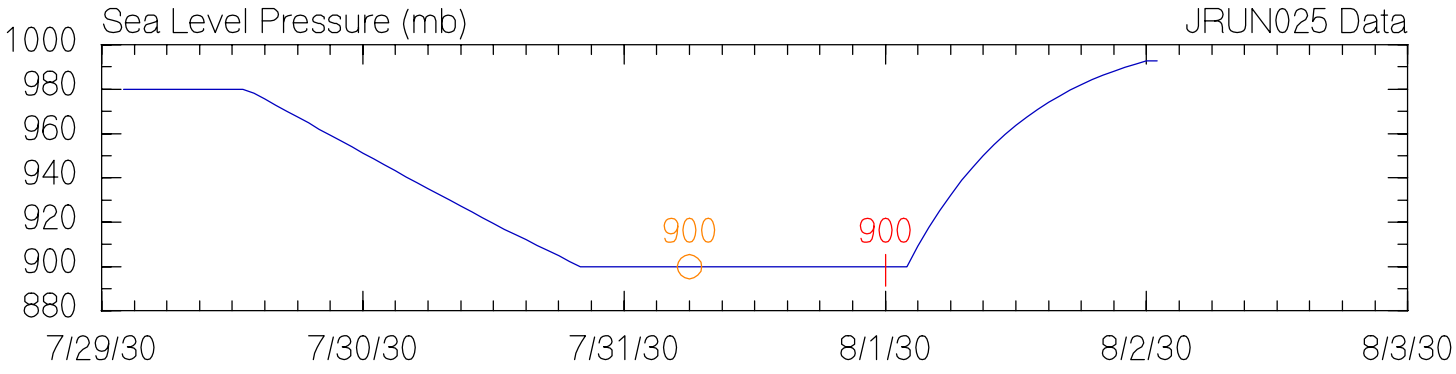
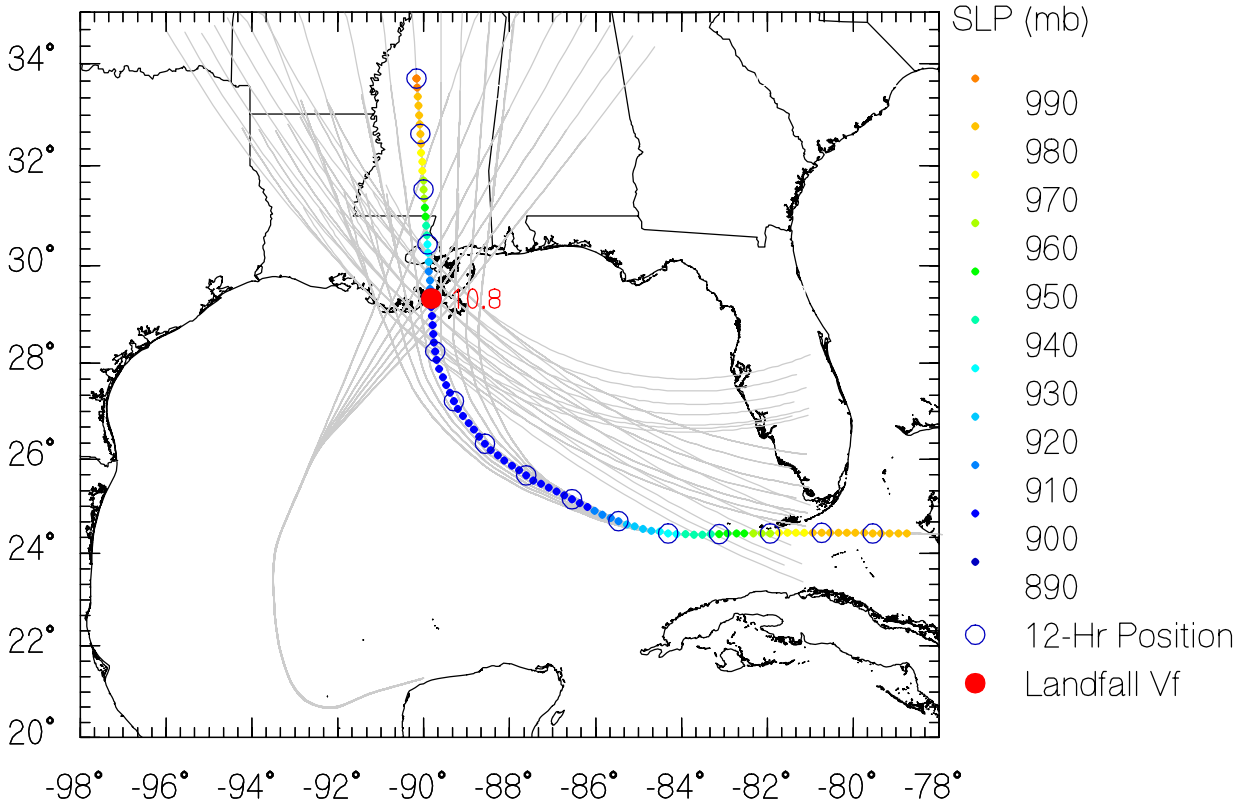


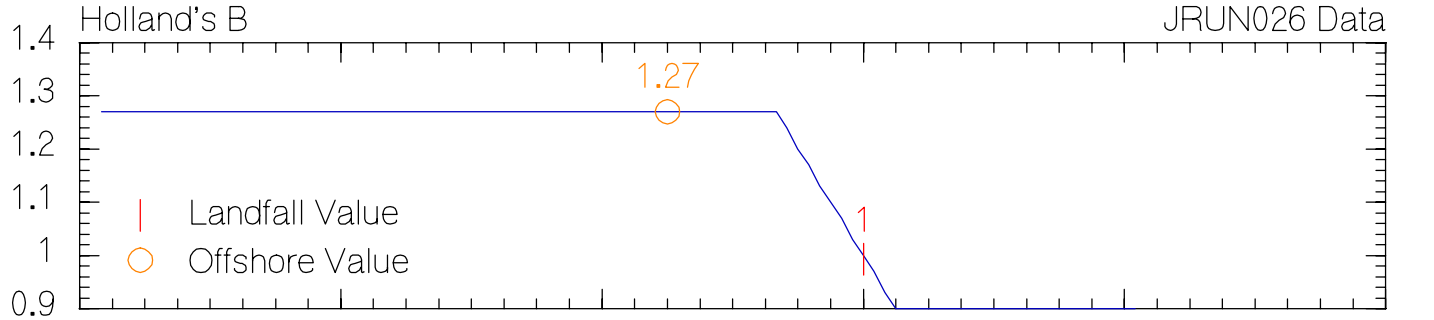


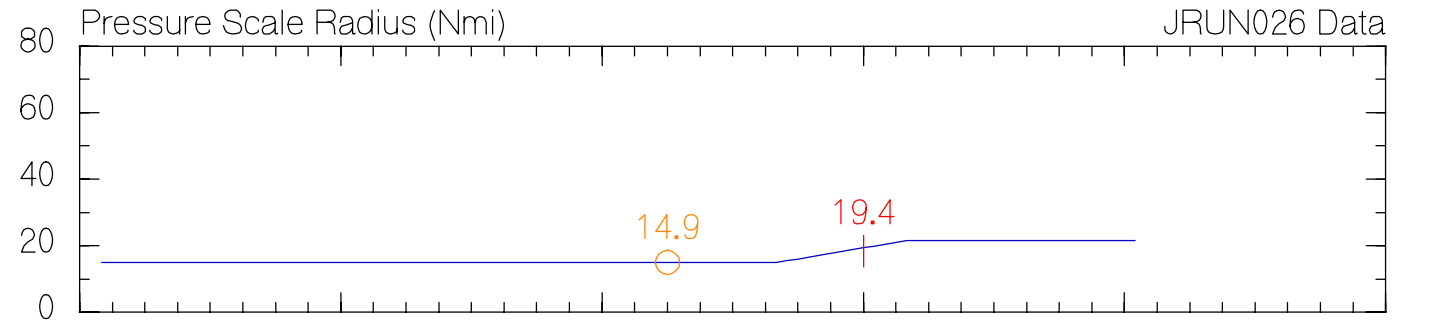


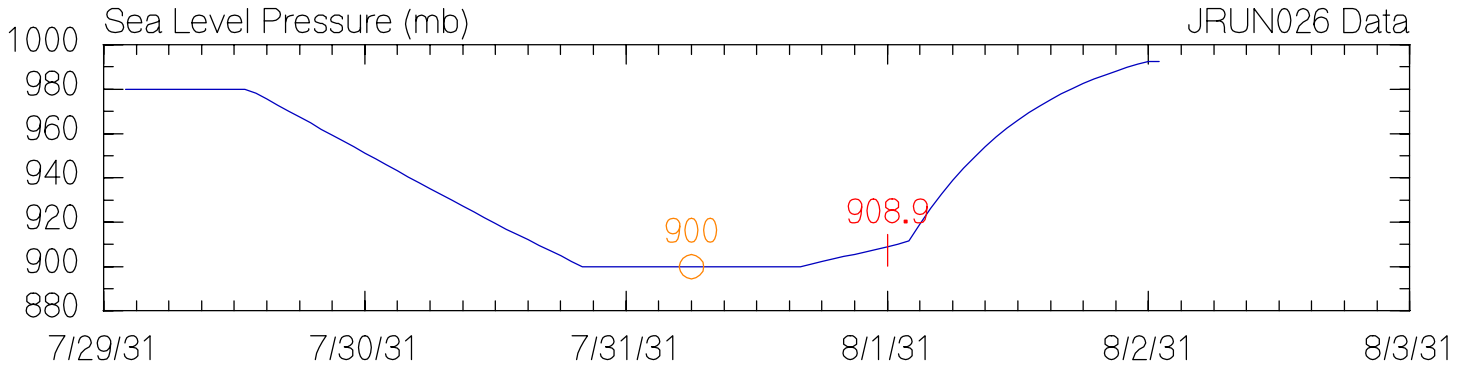


JRUN026 Data









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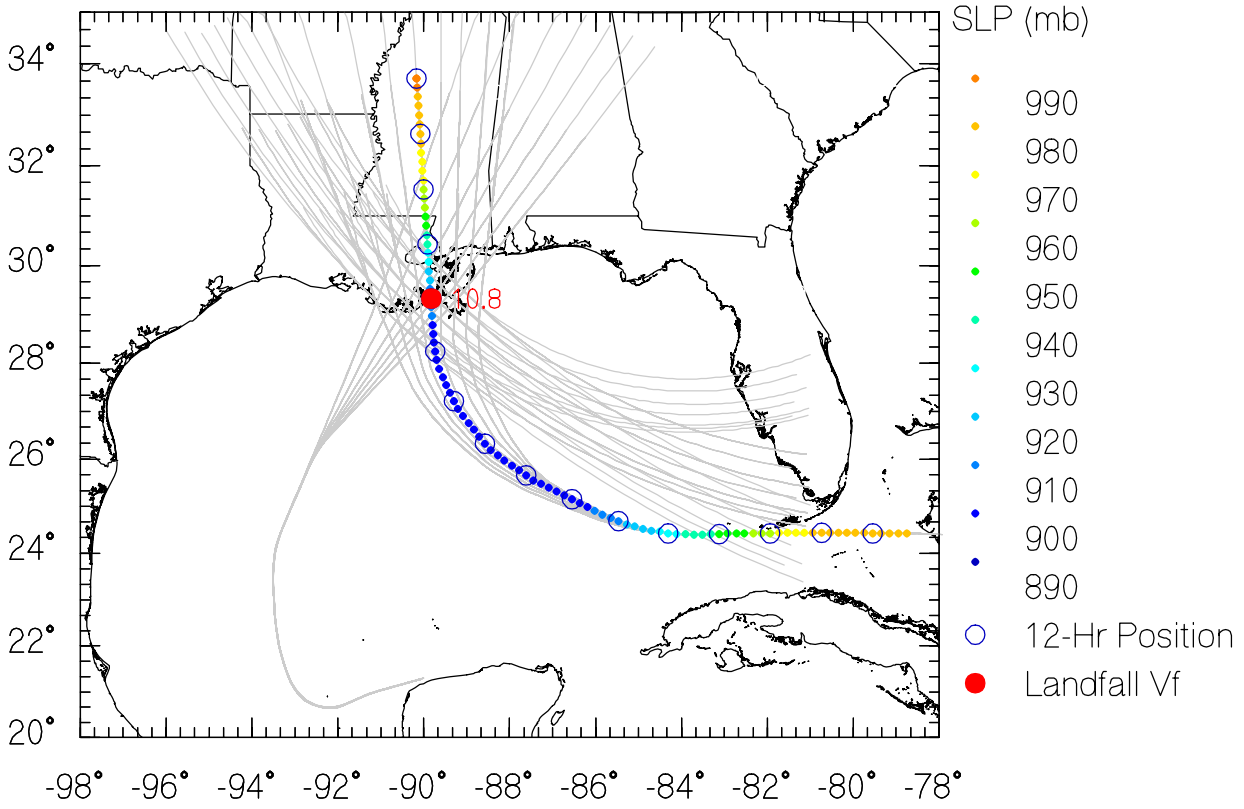

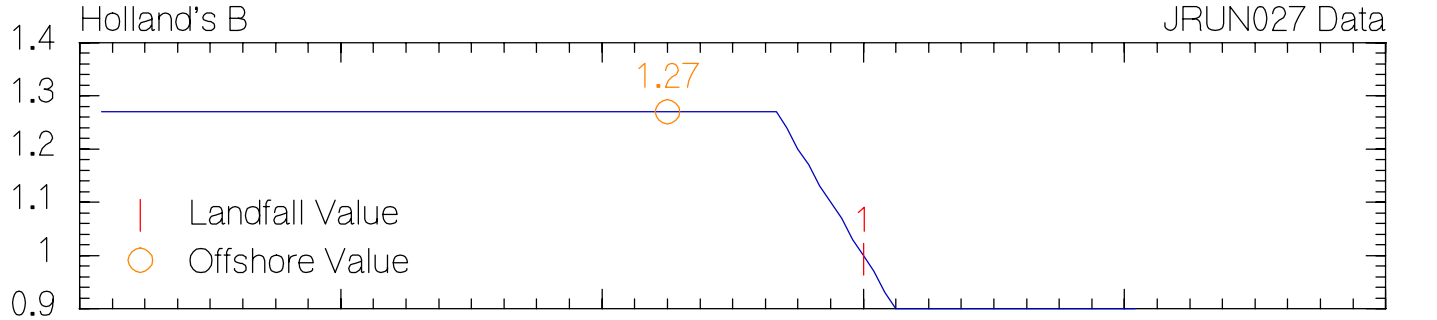

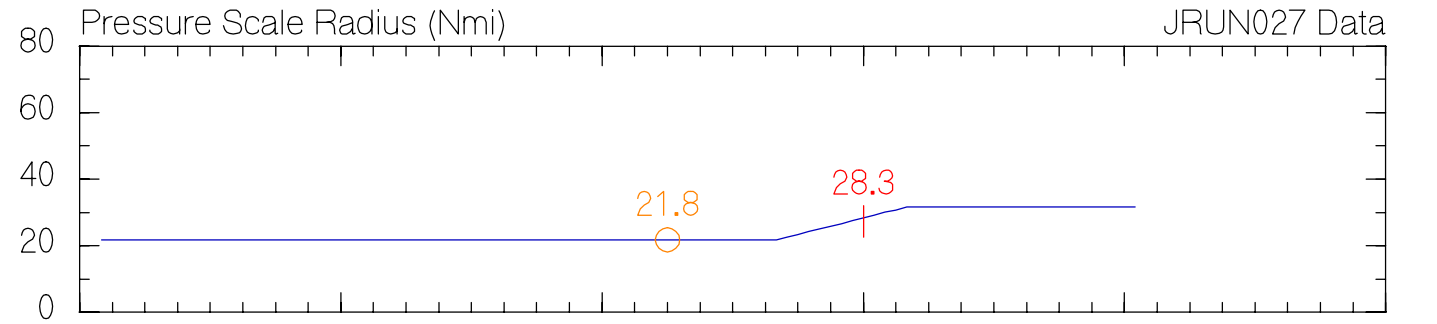

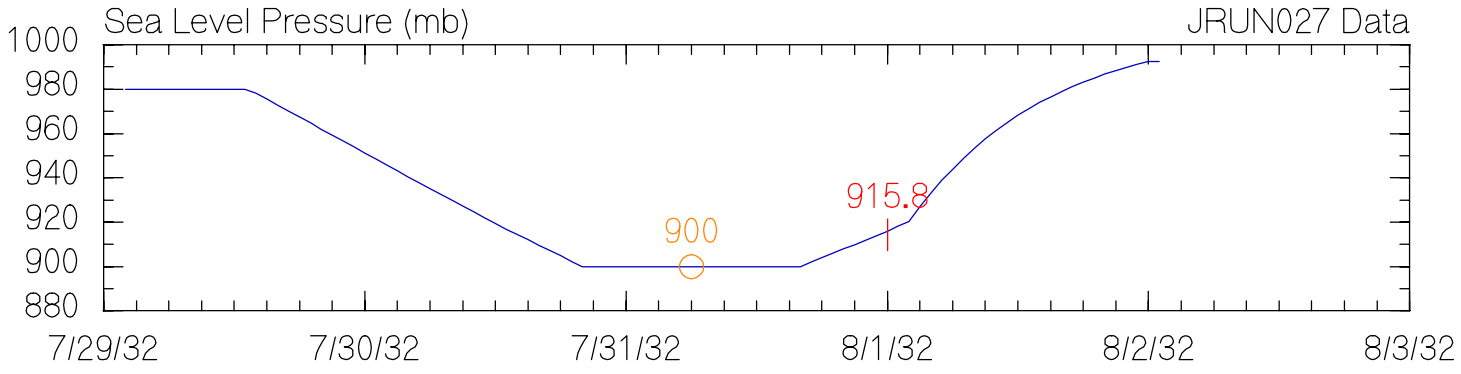

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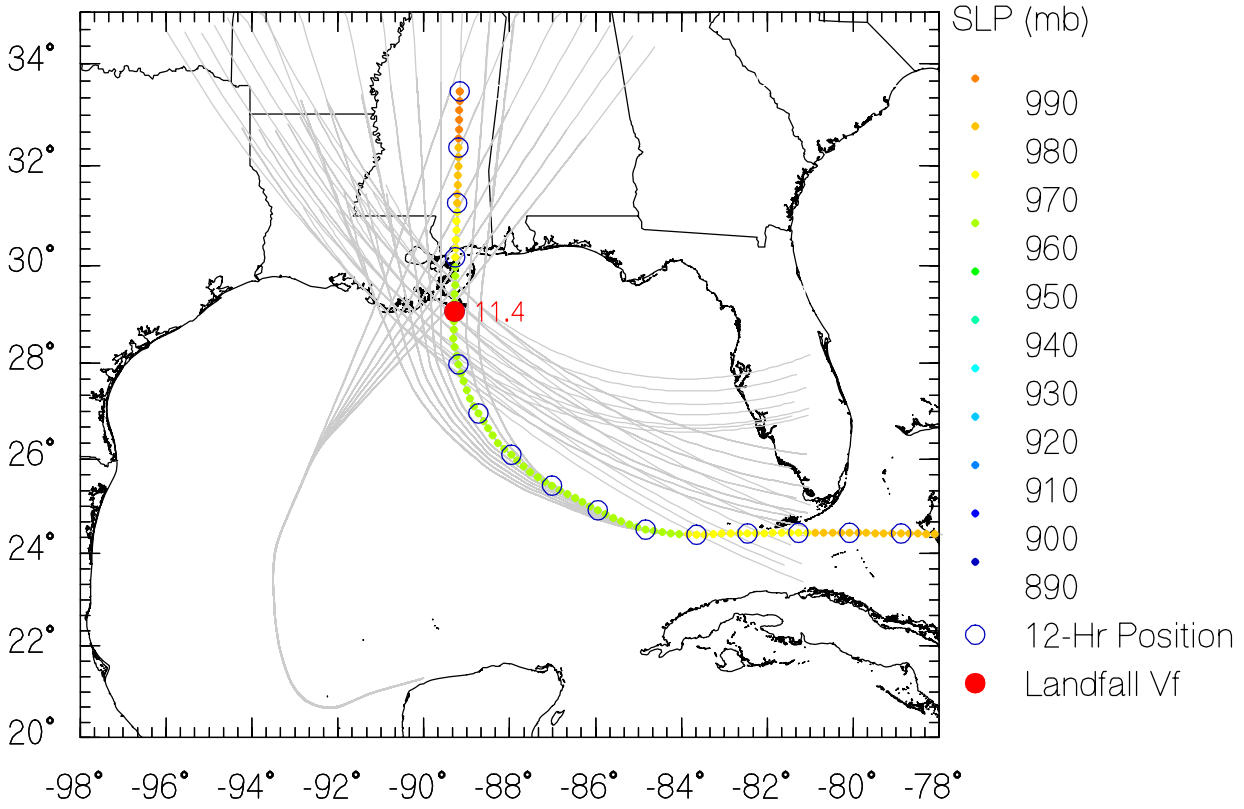

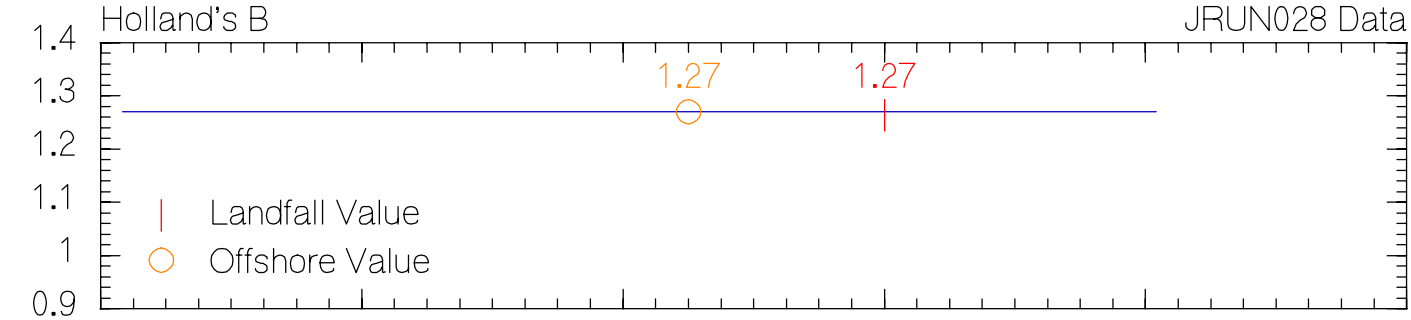

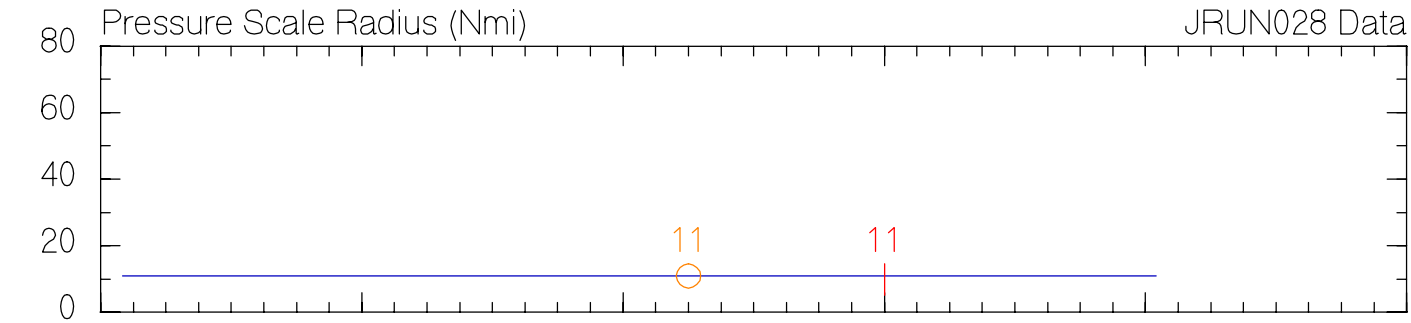

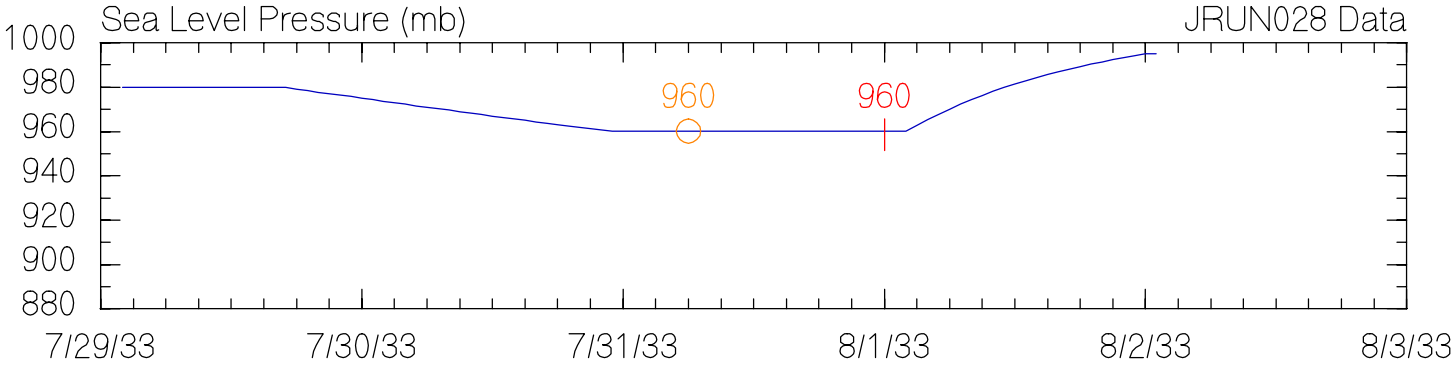

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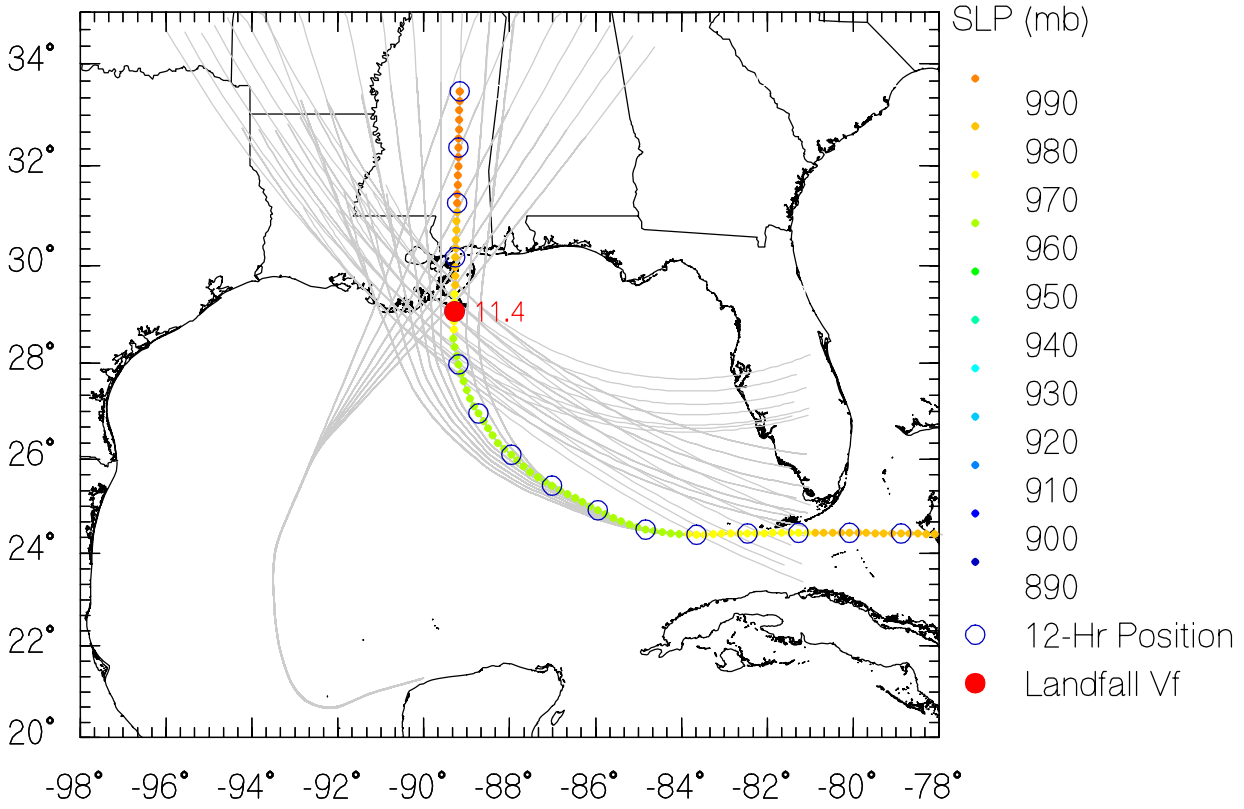

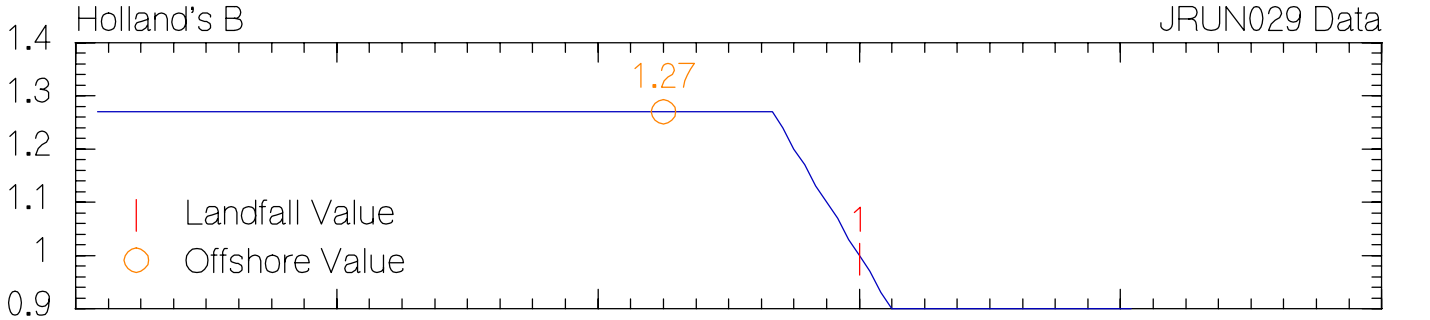

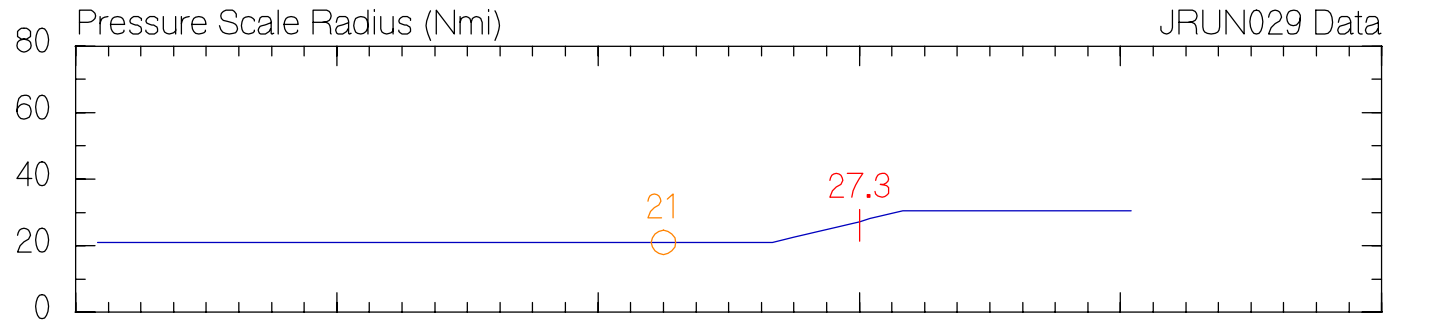

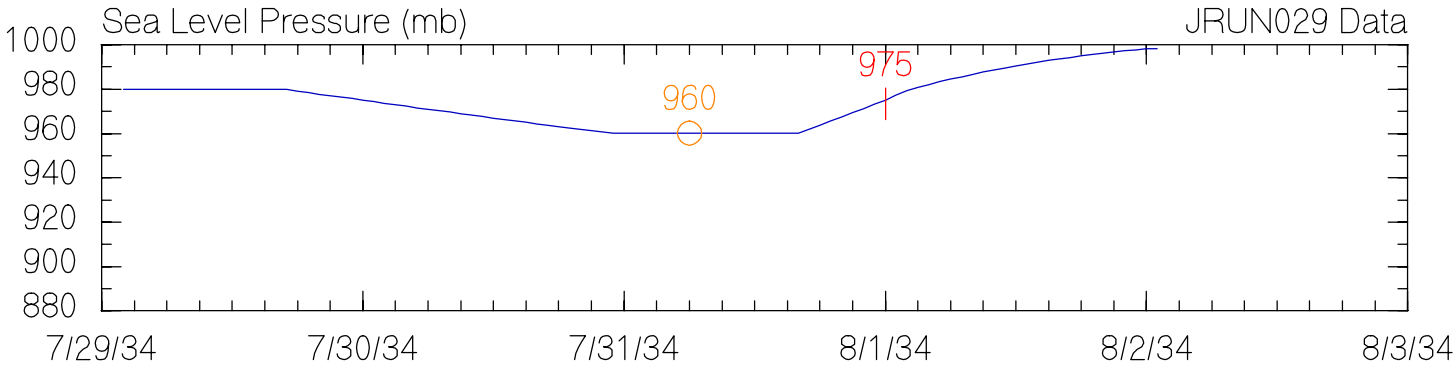

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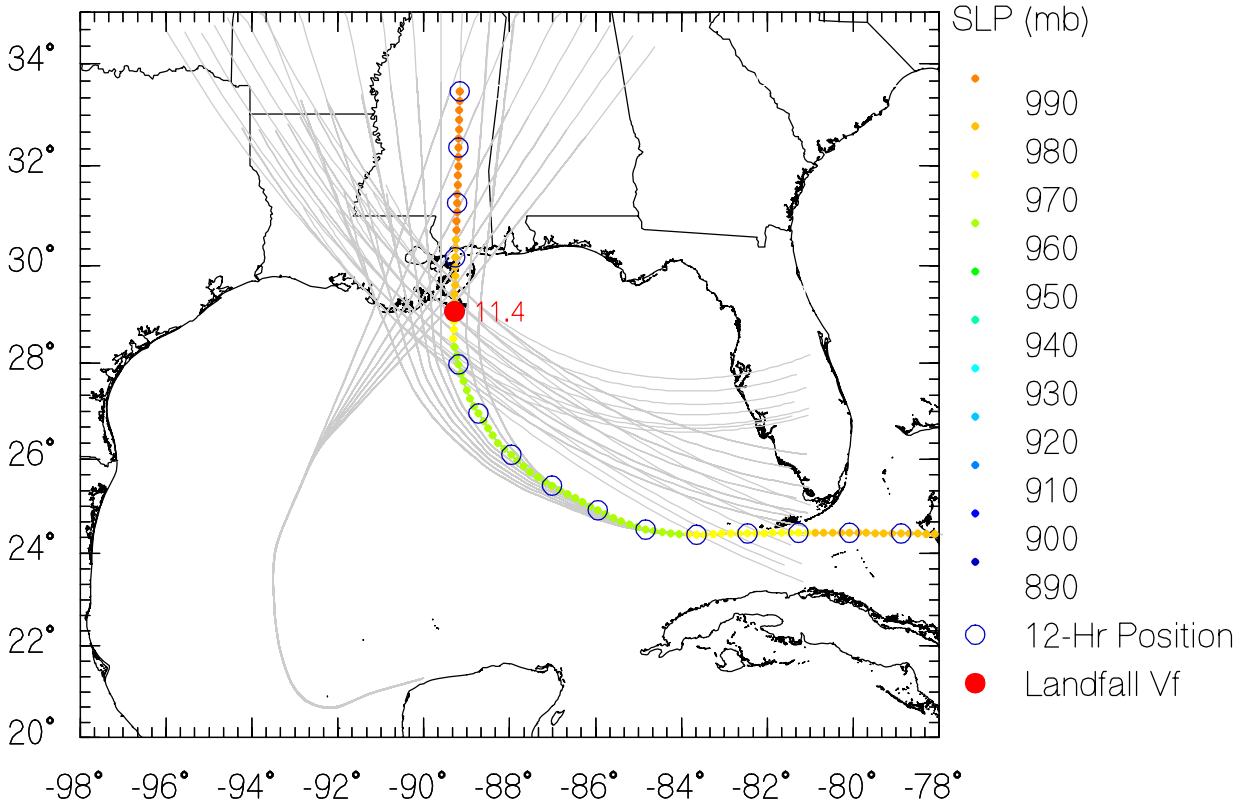

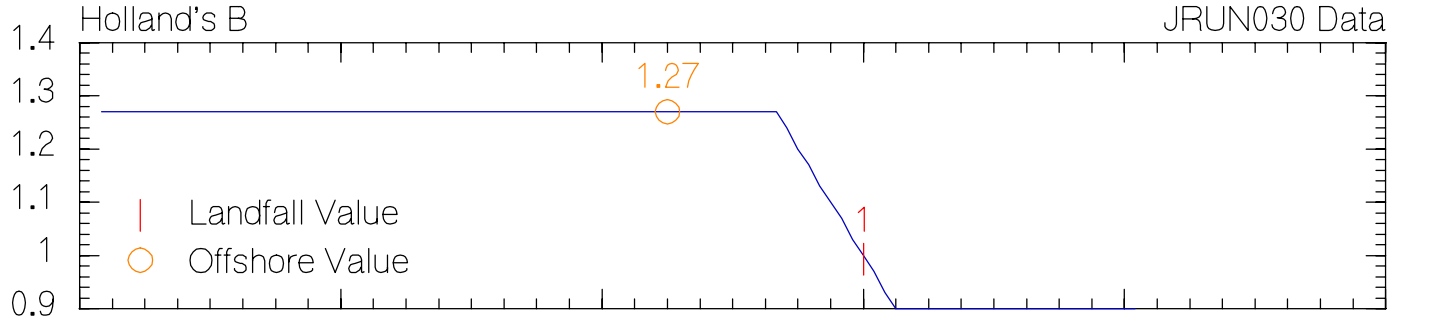

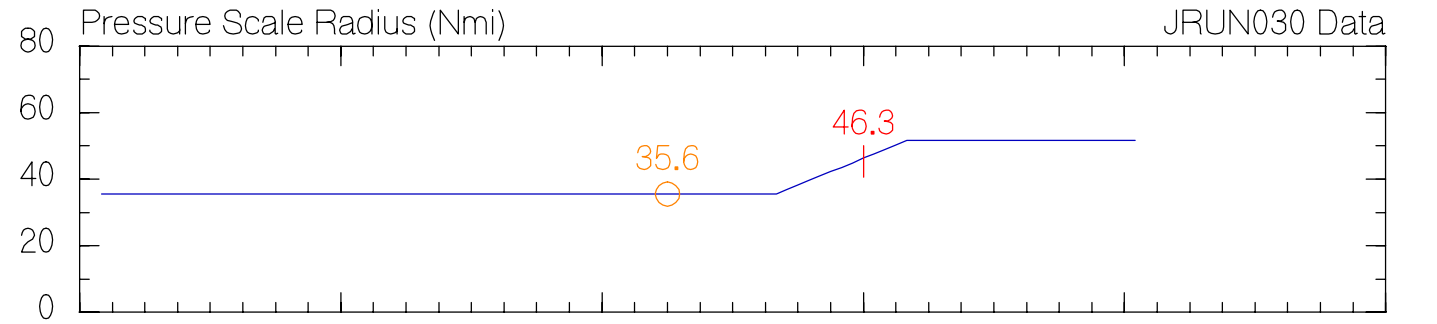

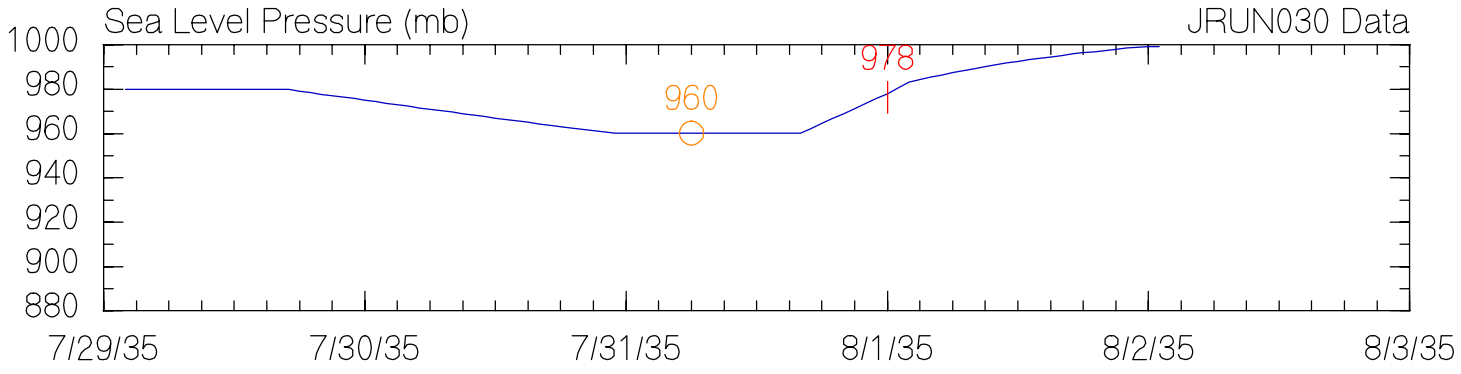

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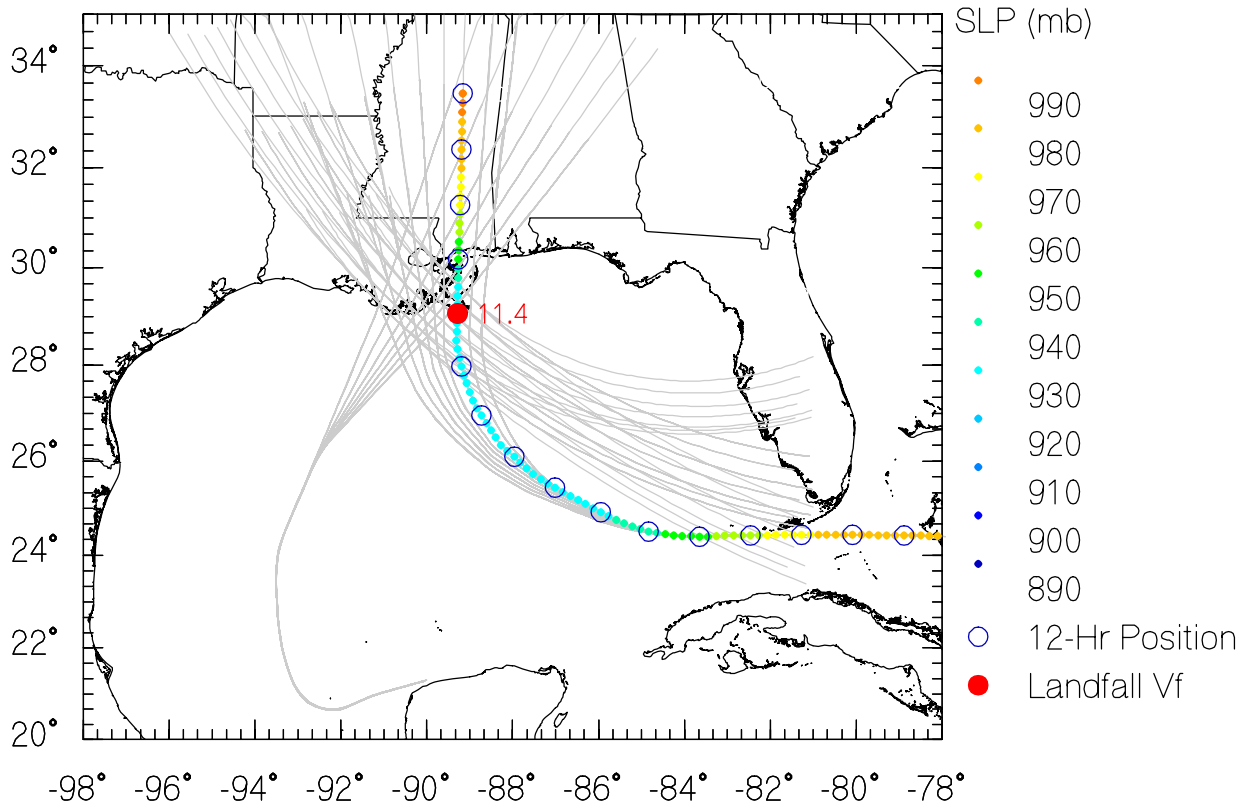

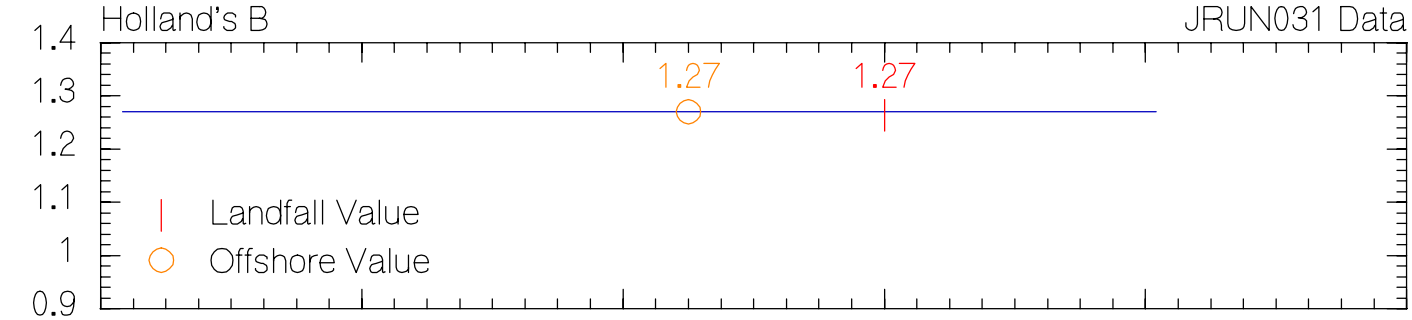

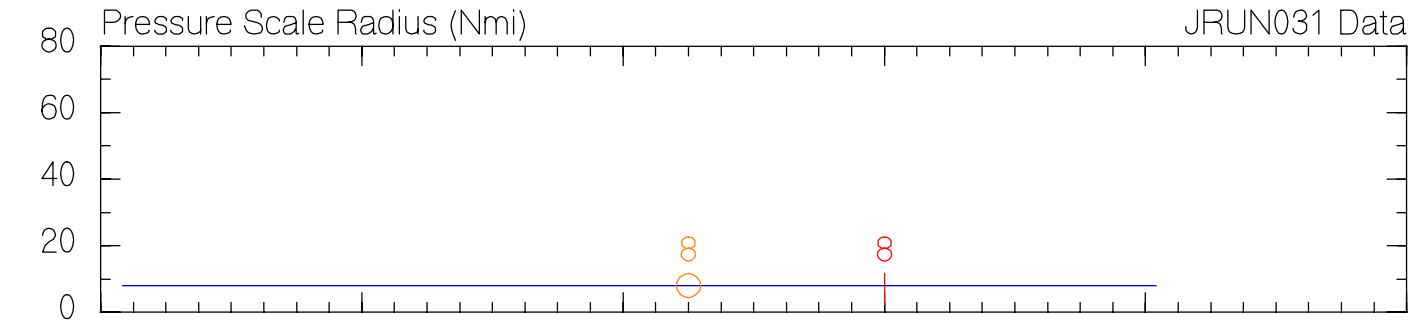

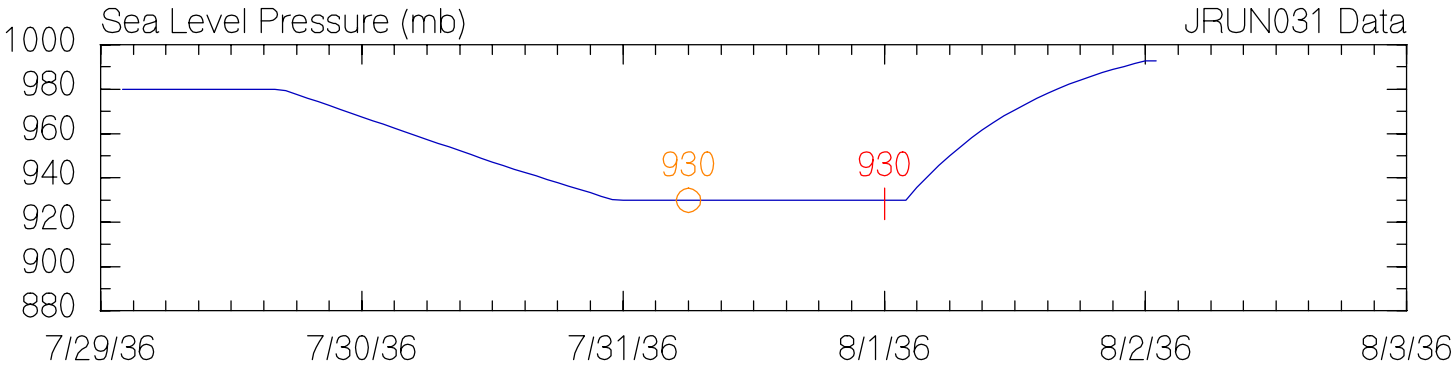

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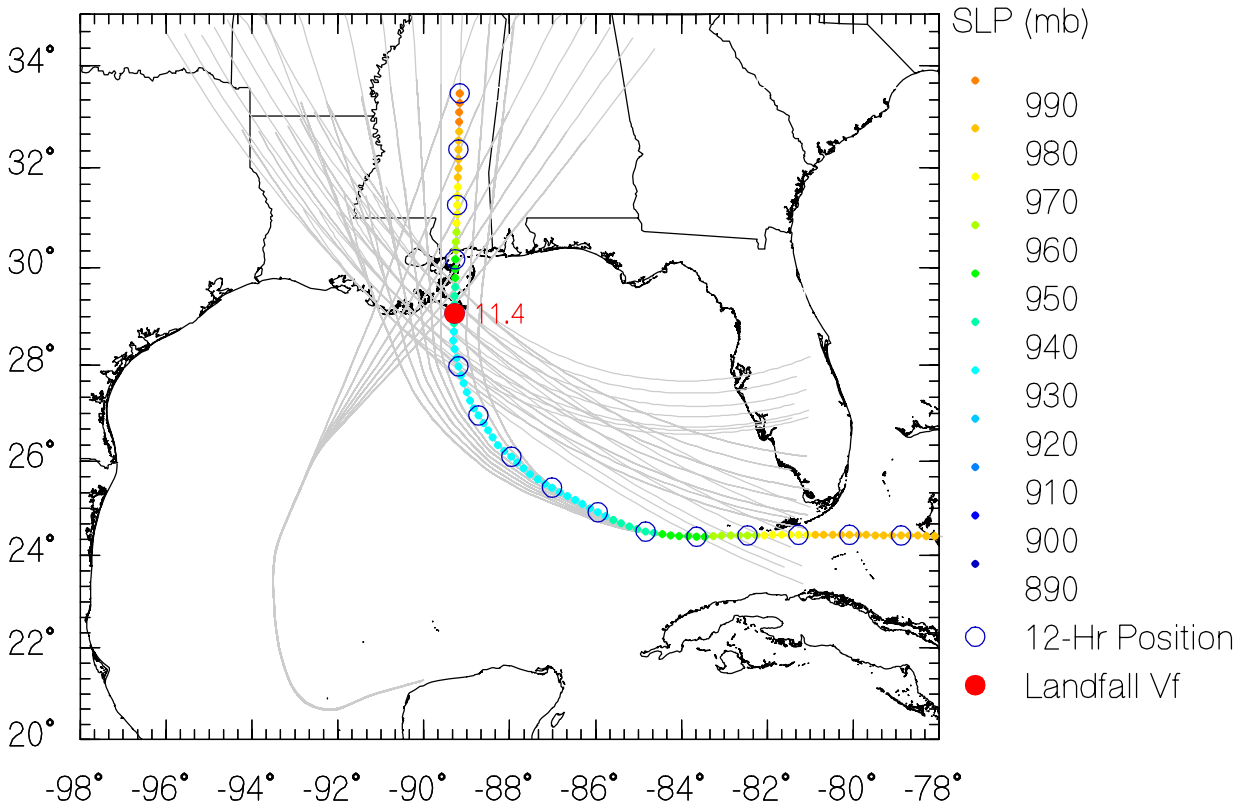

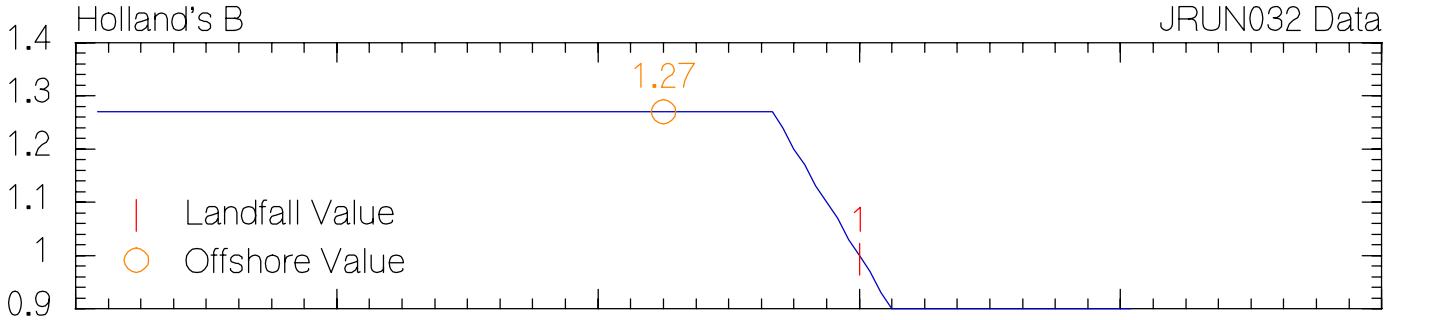

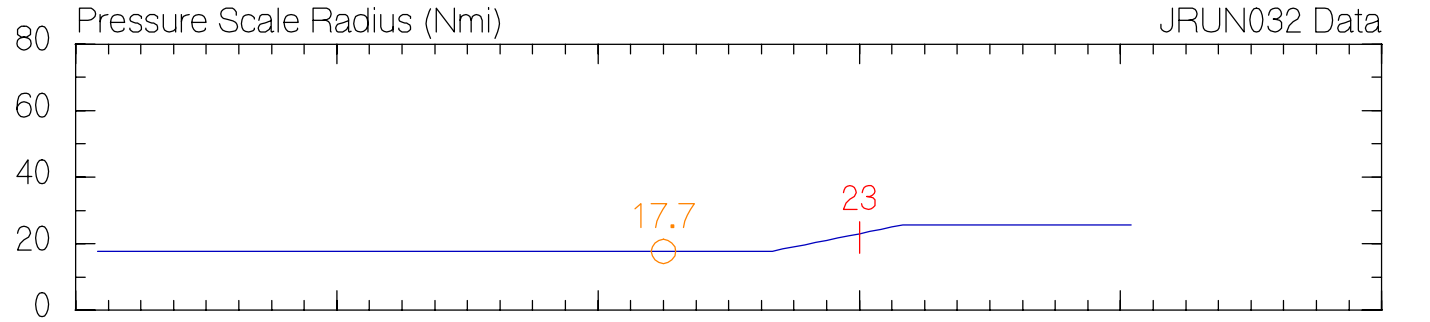

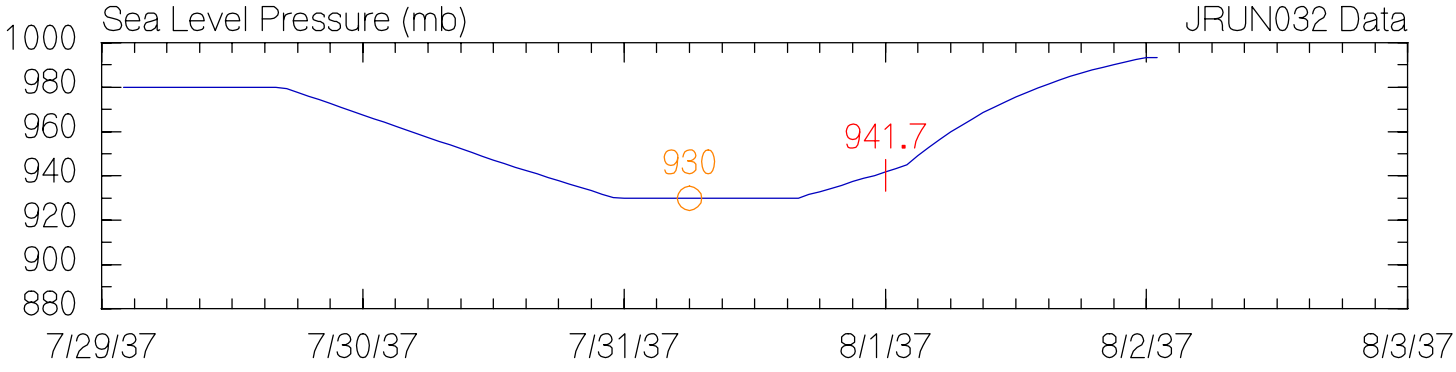

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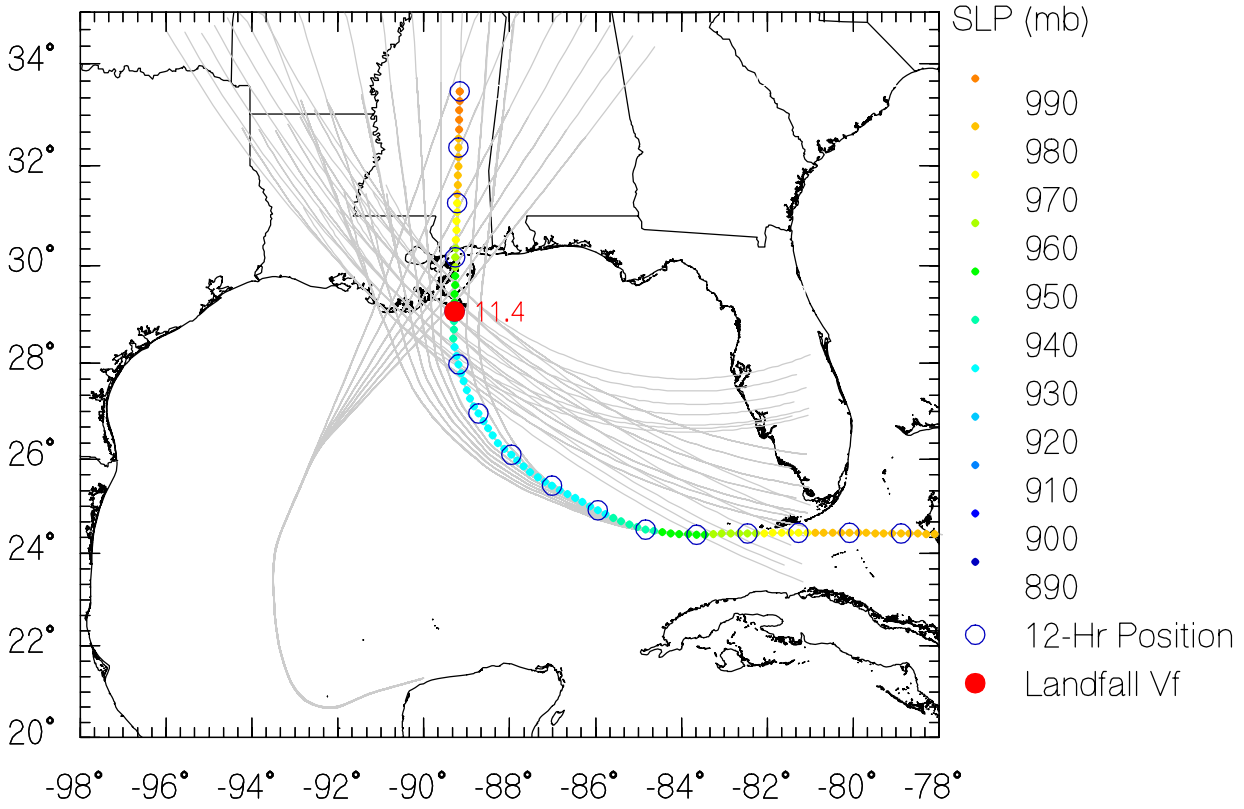

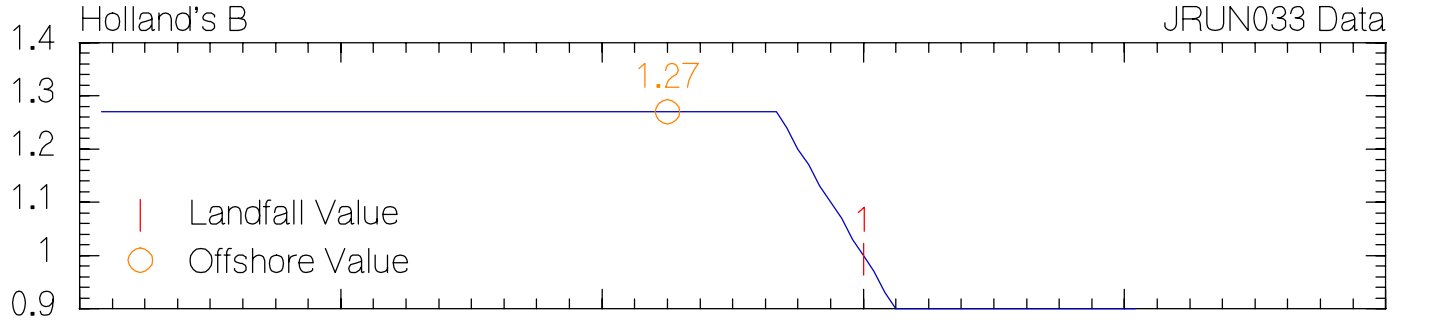

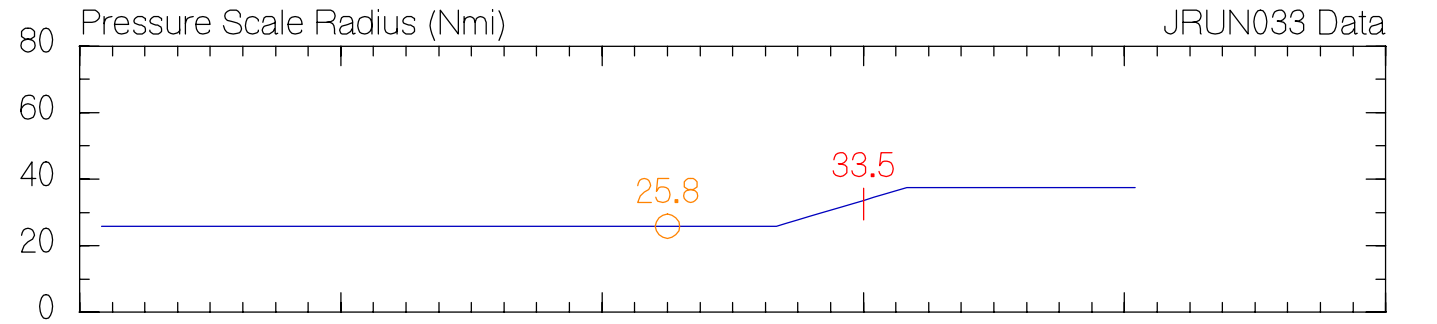

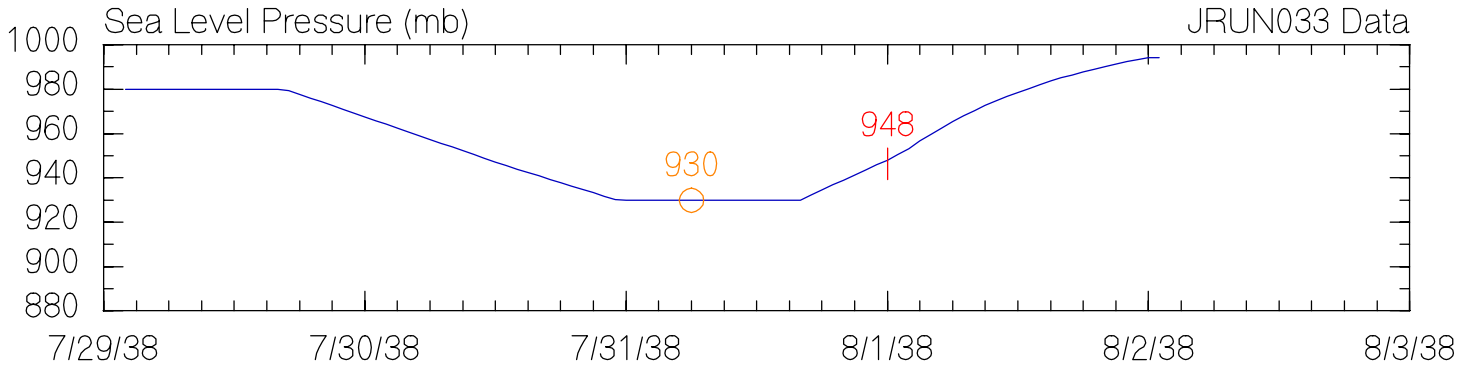

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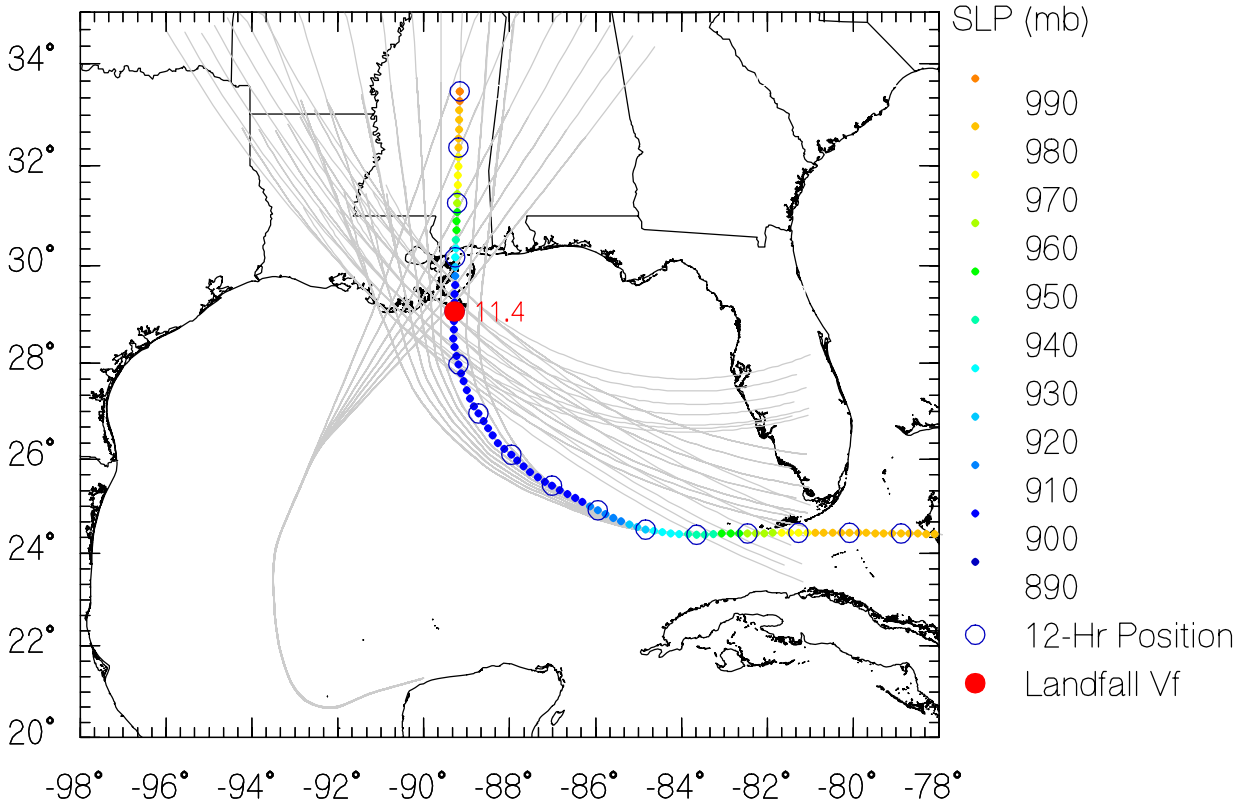

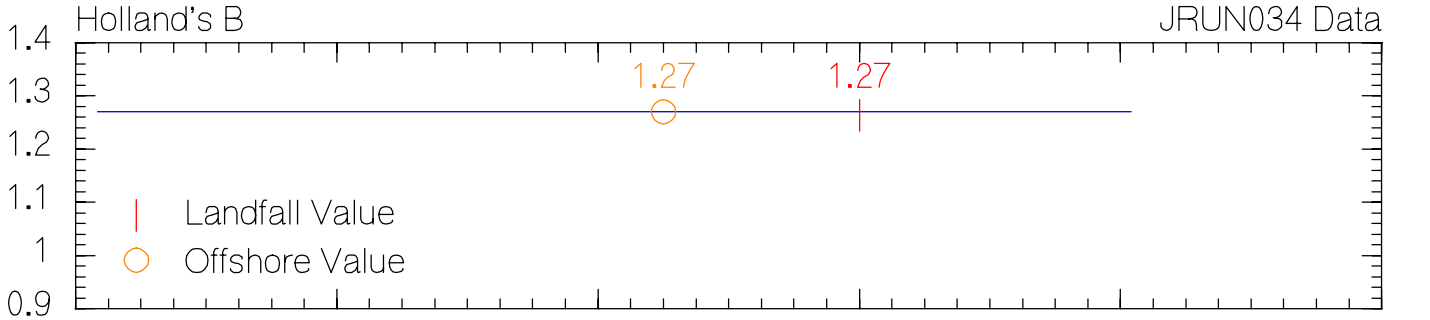

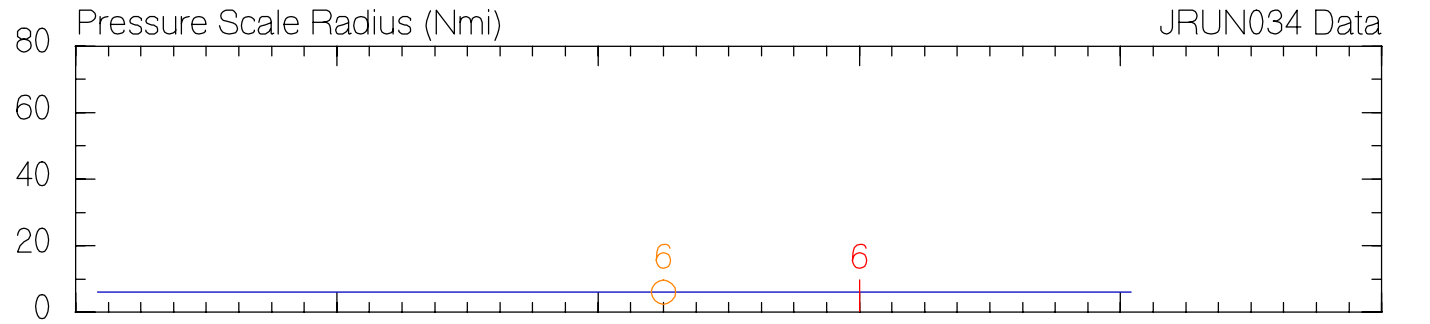

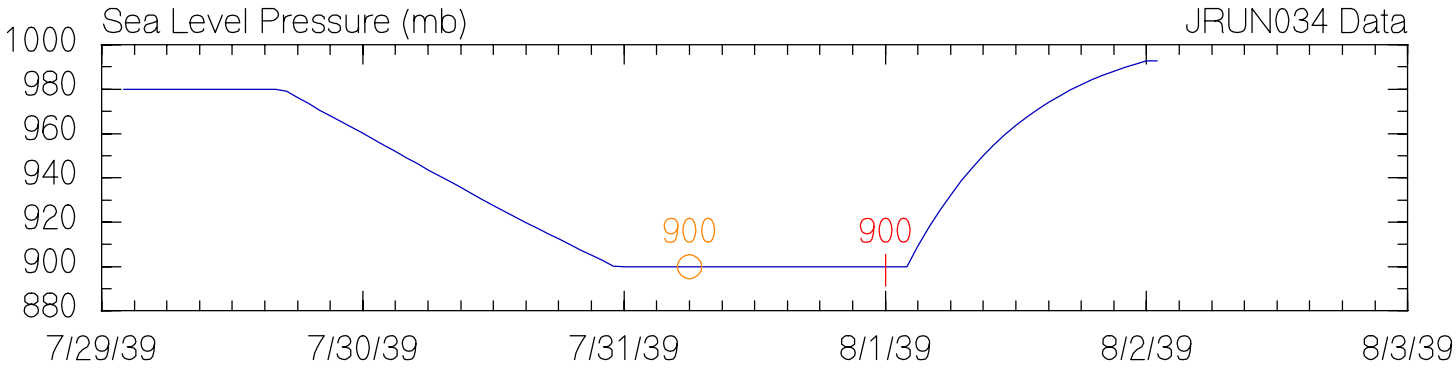

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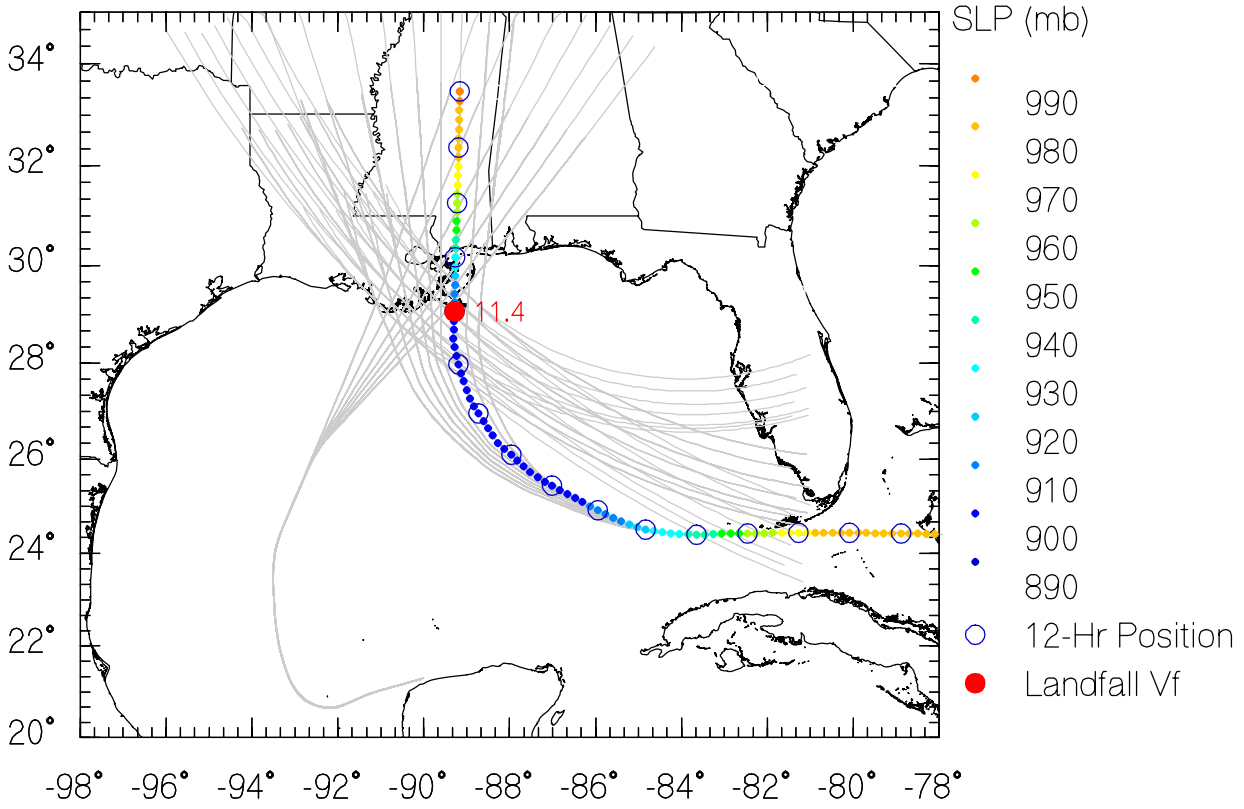

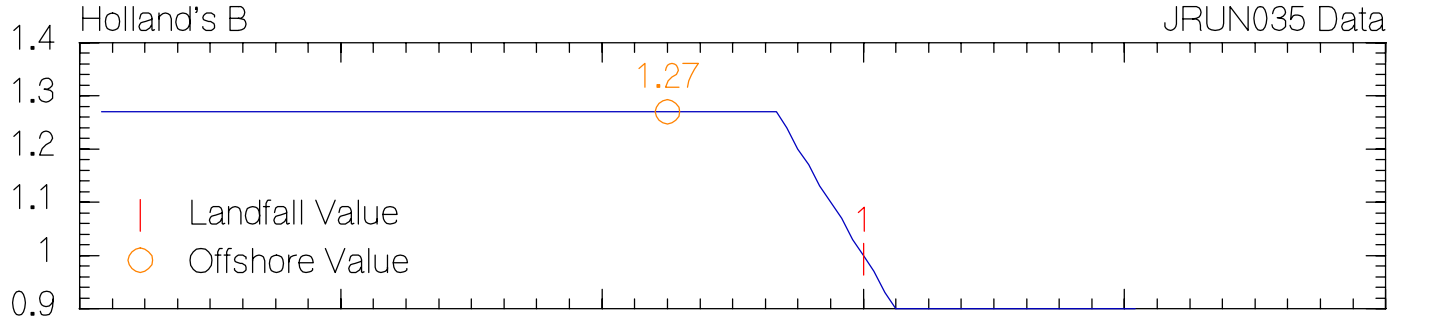

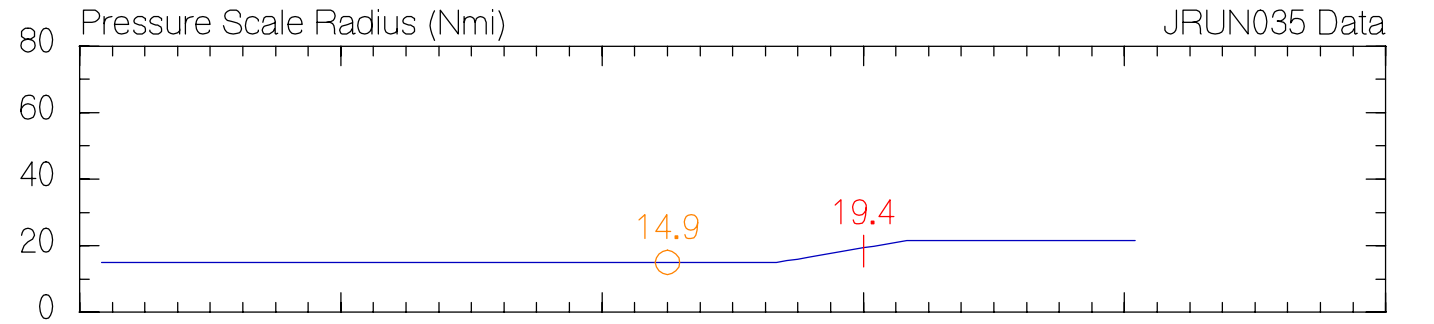

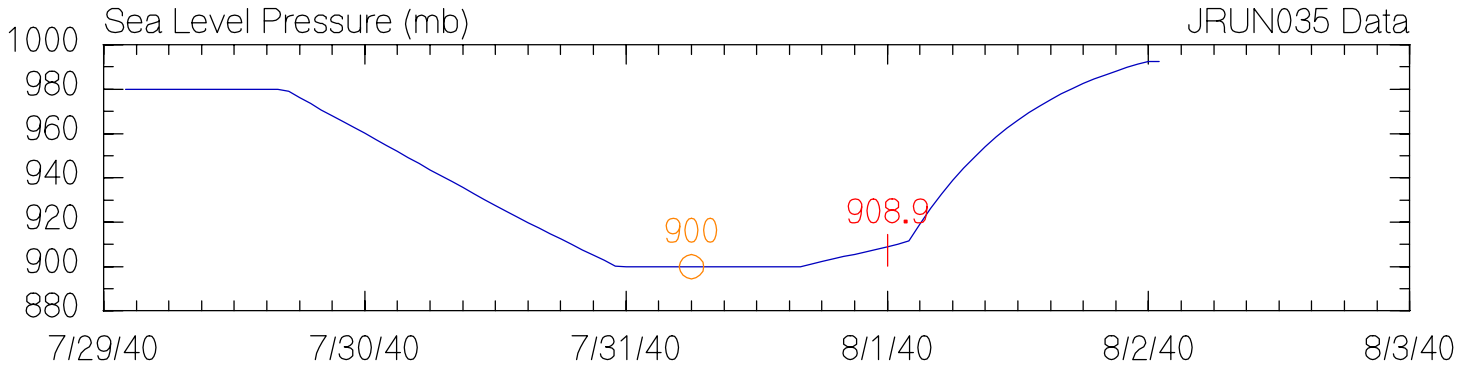

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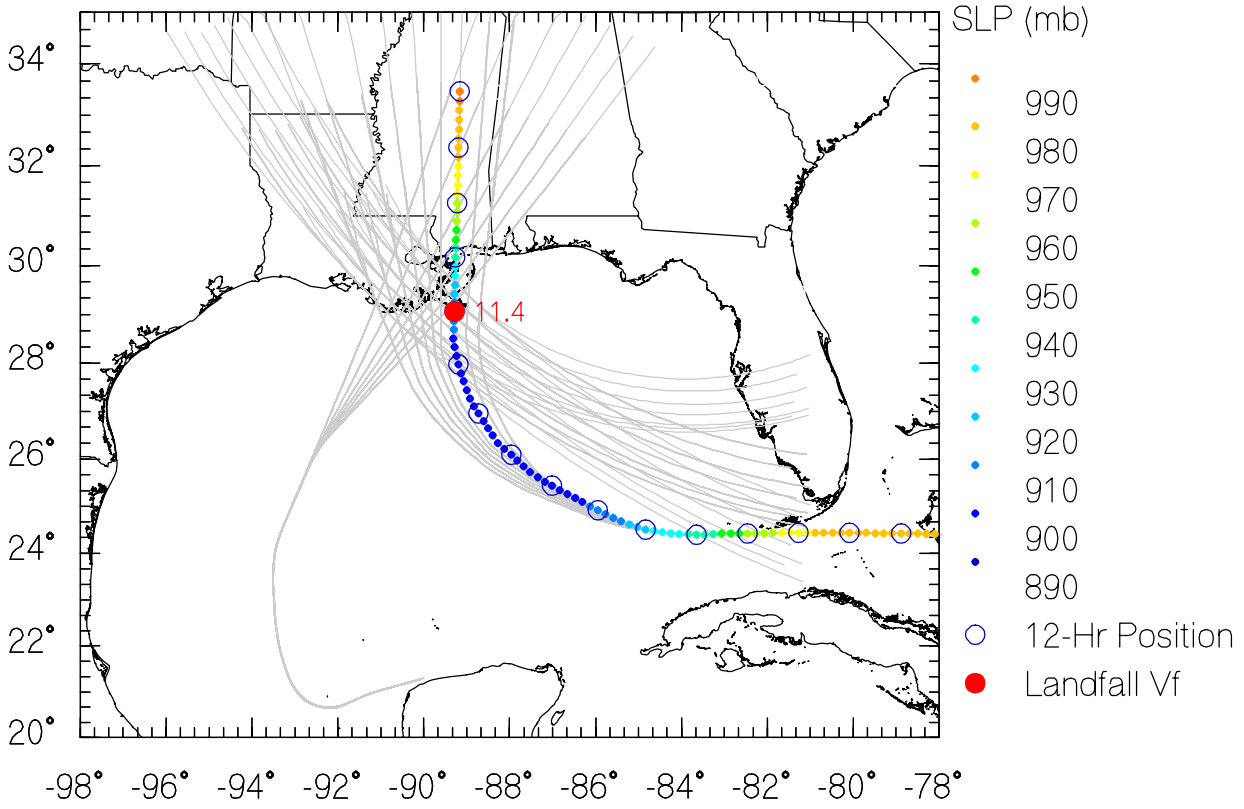

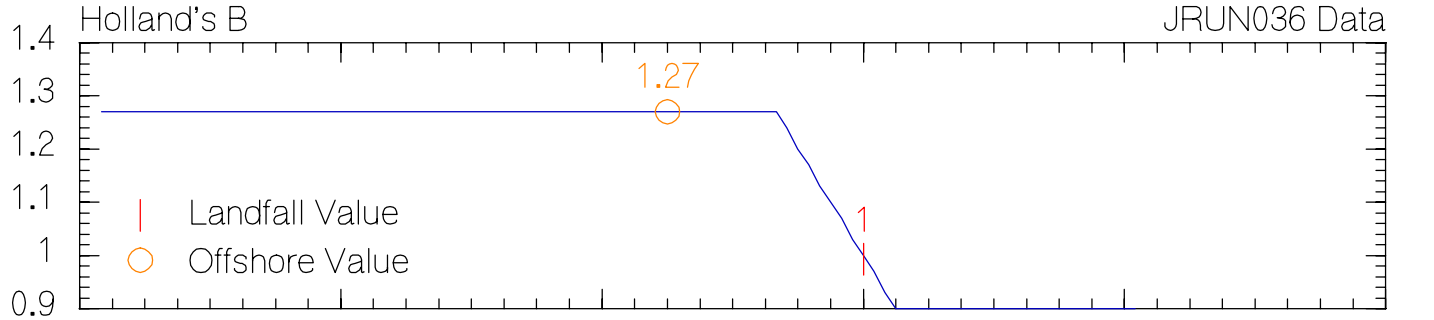

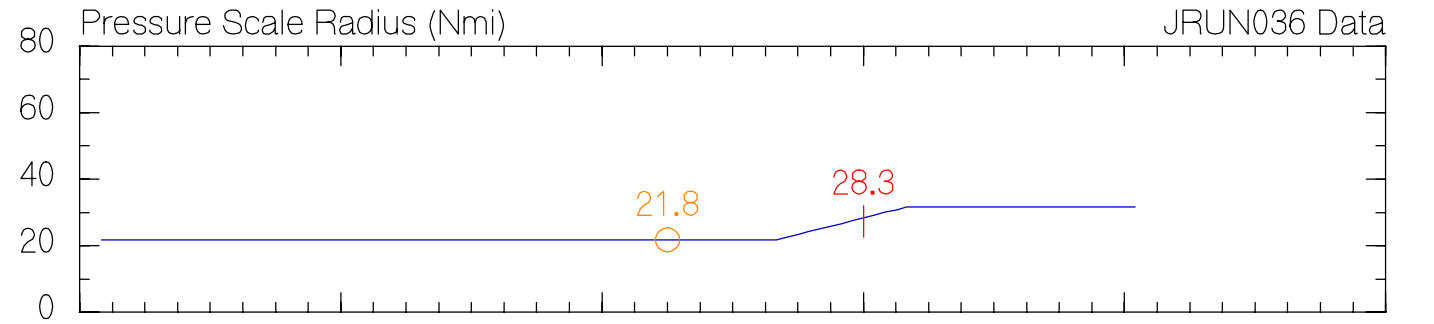

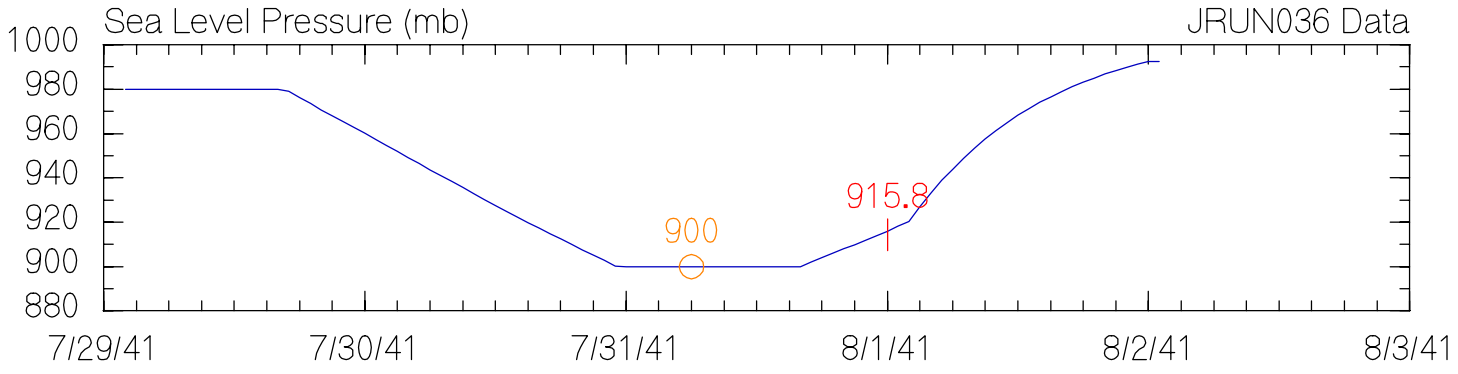

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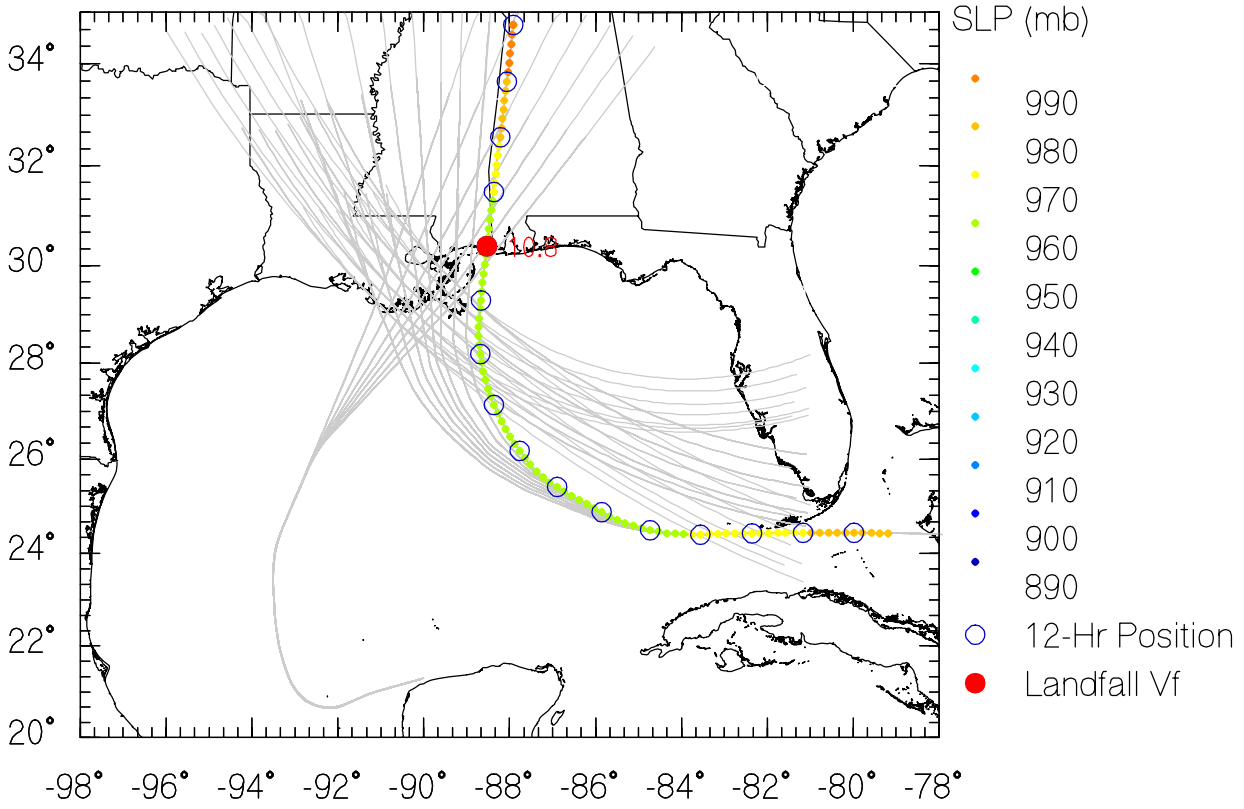
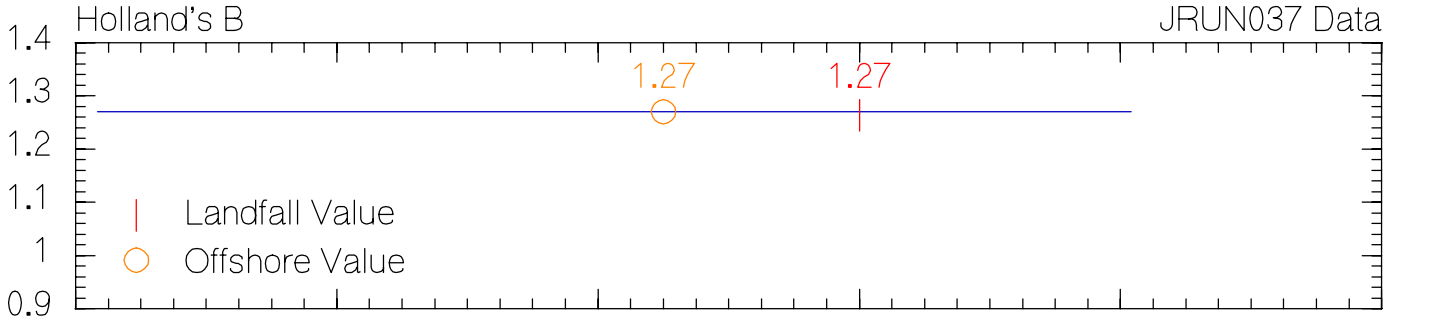
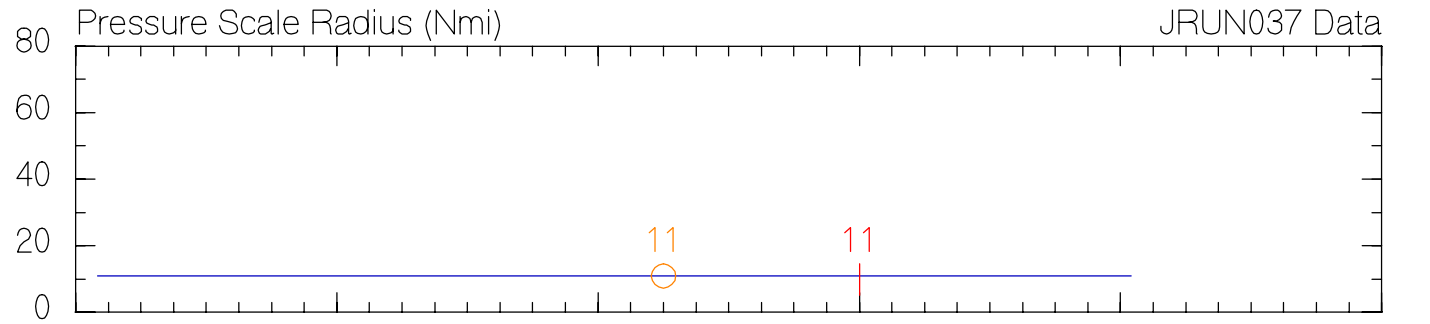
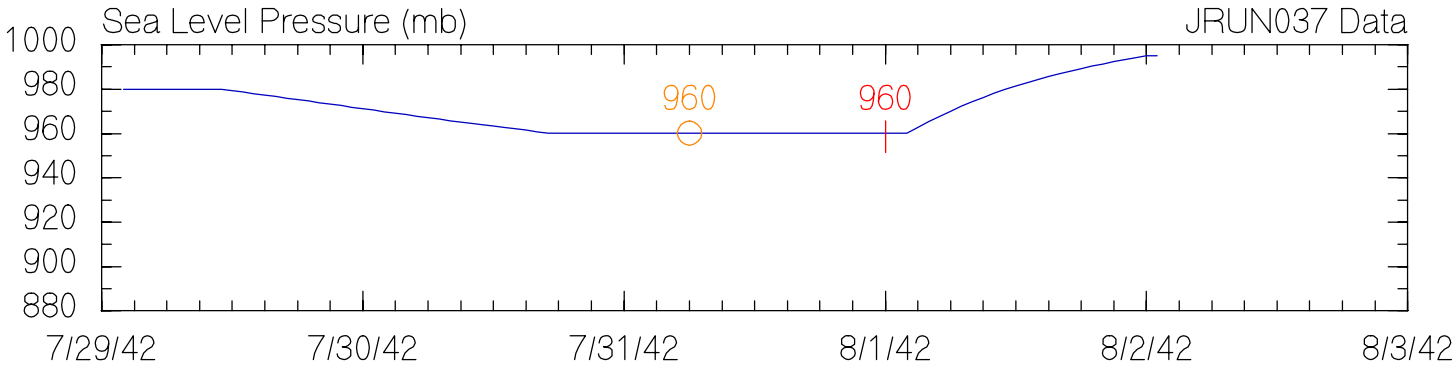
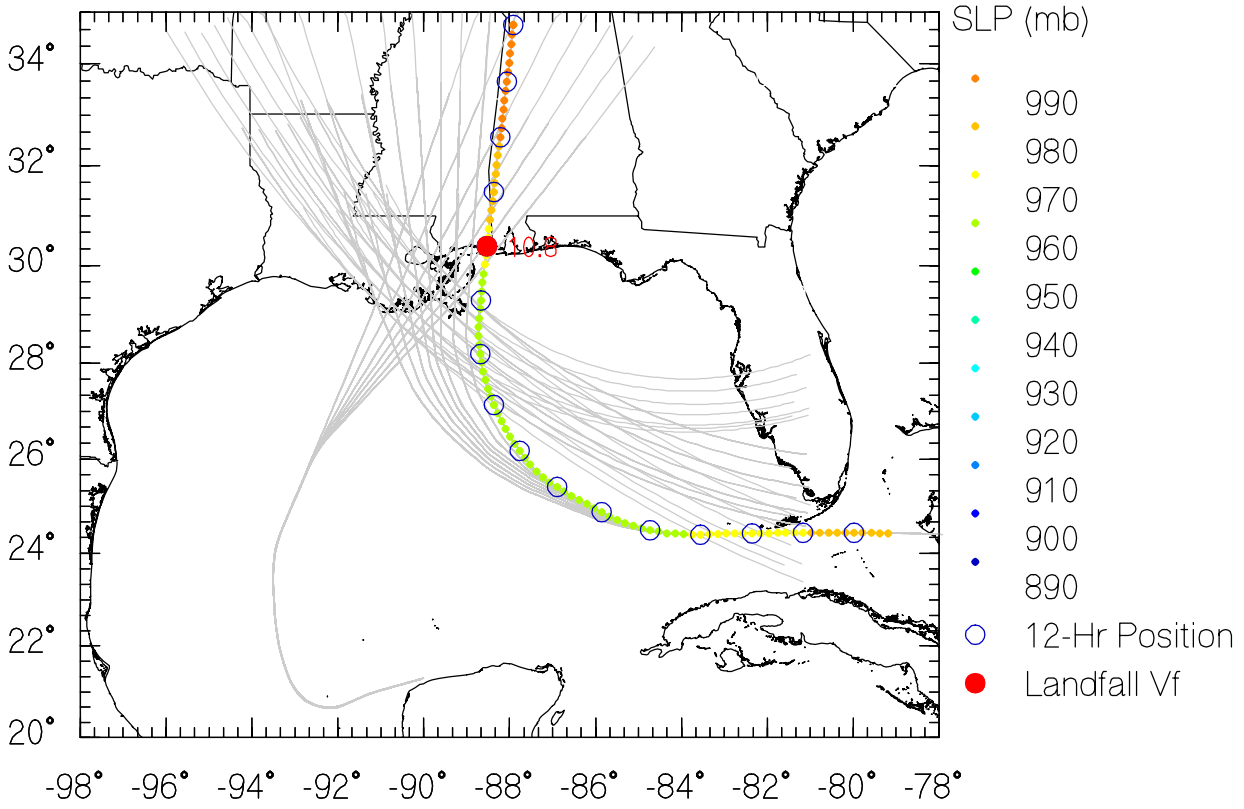


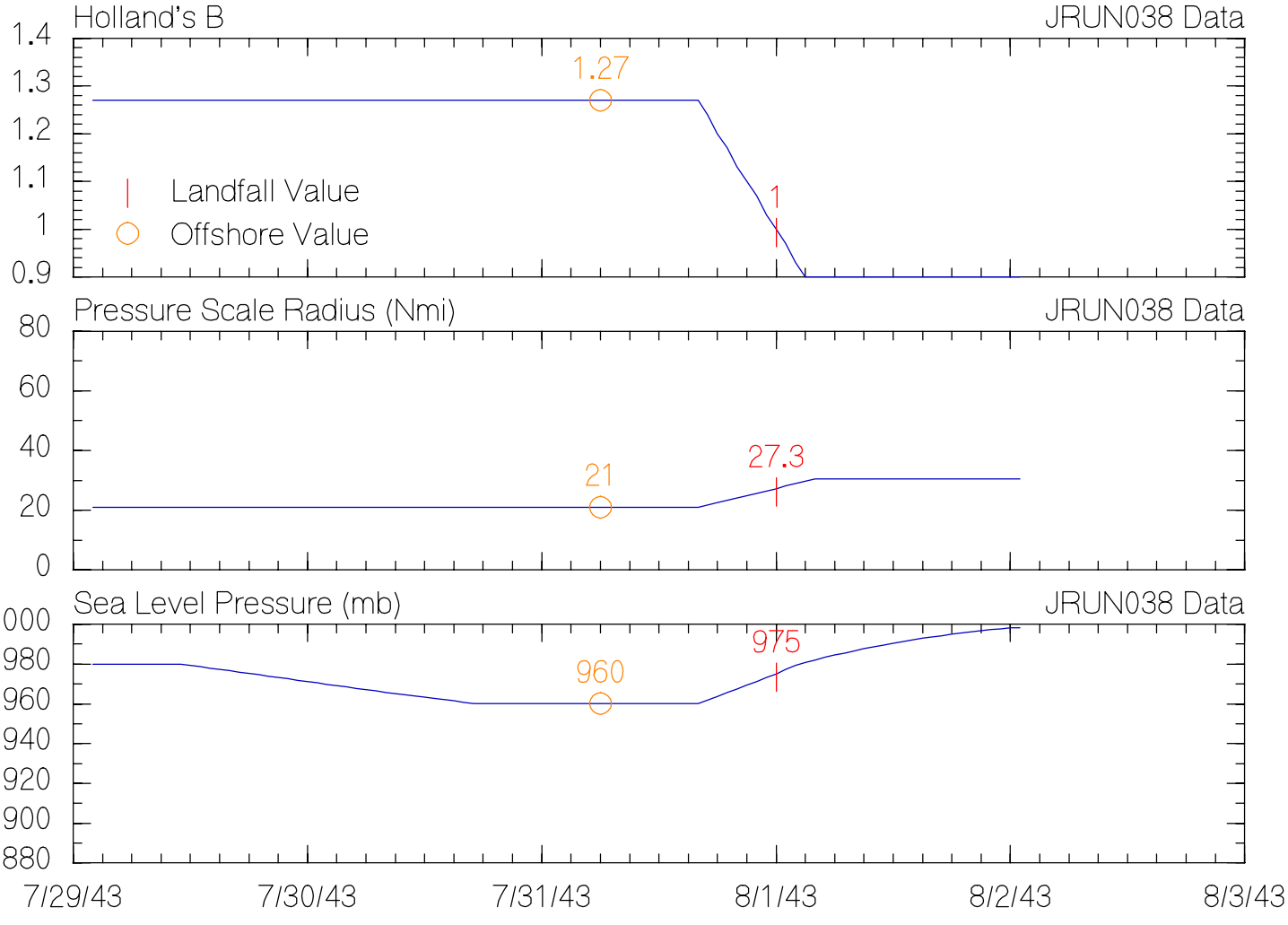






JRUN038 Data





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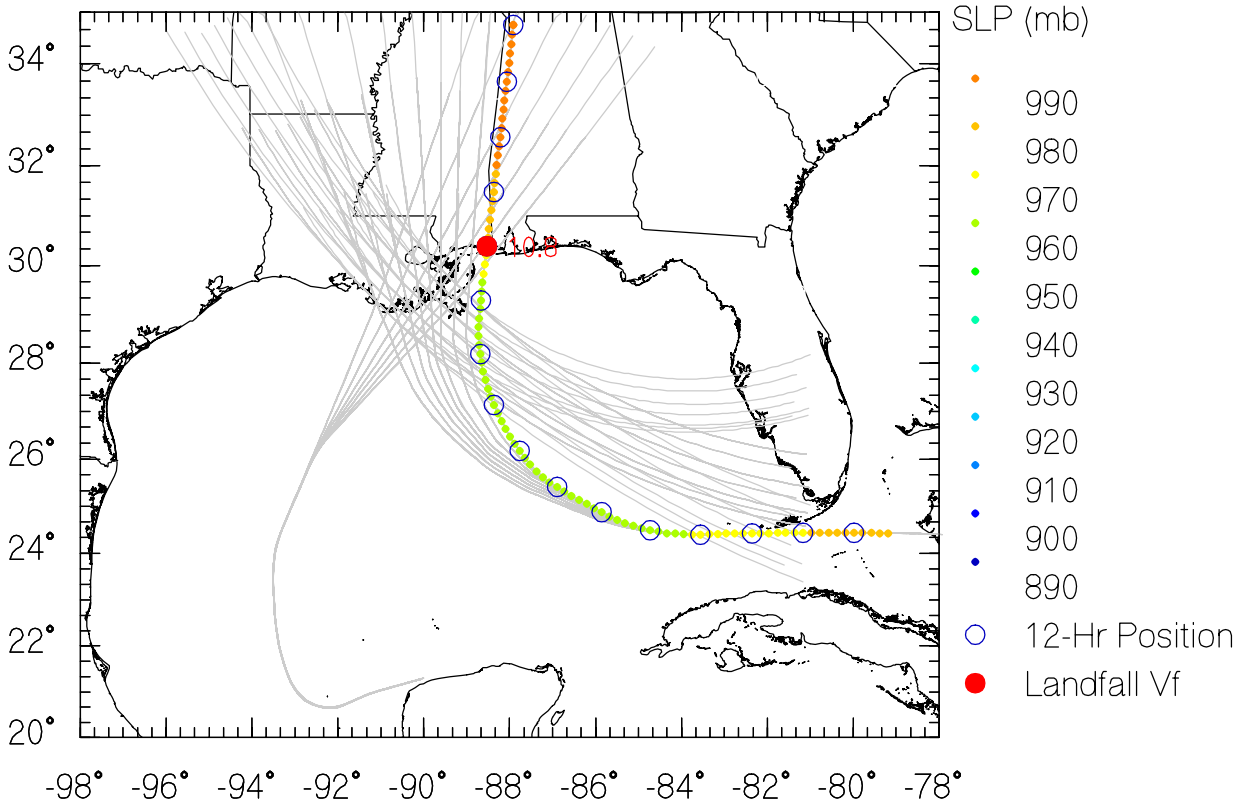

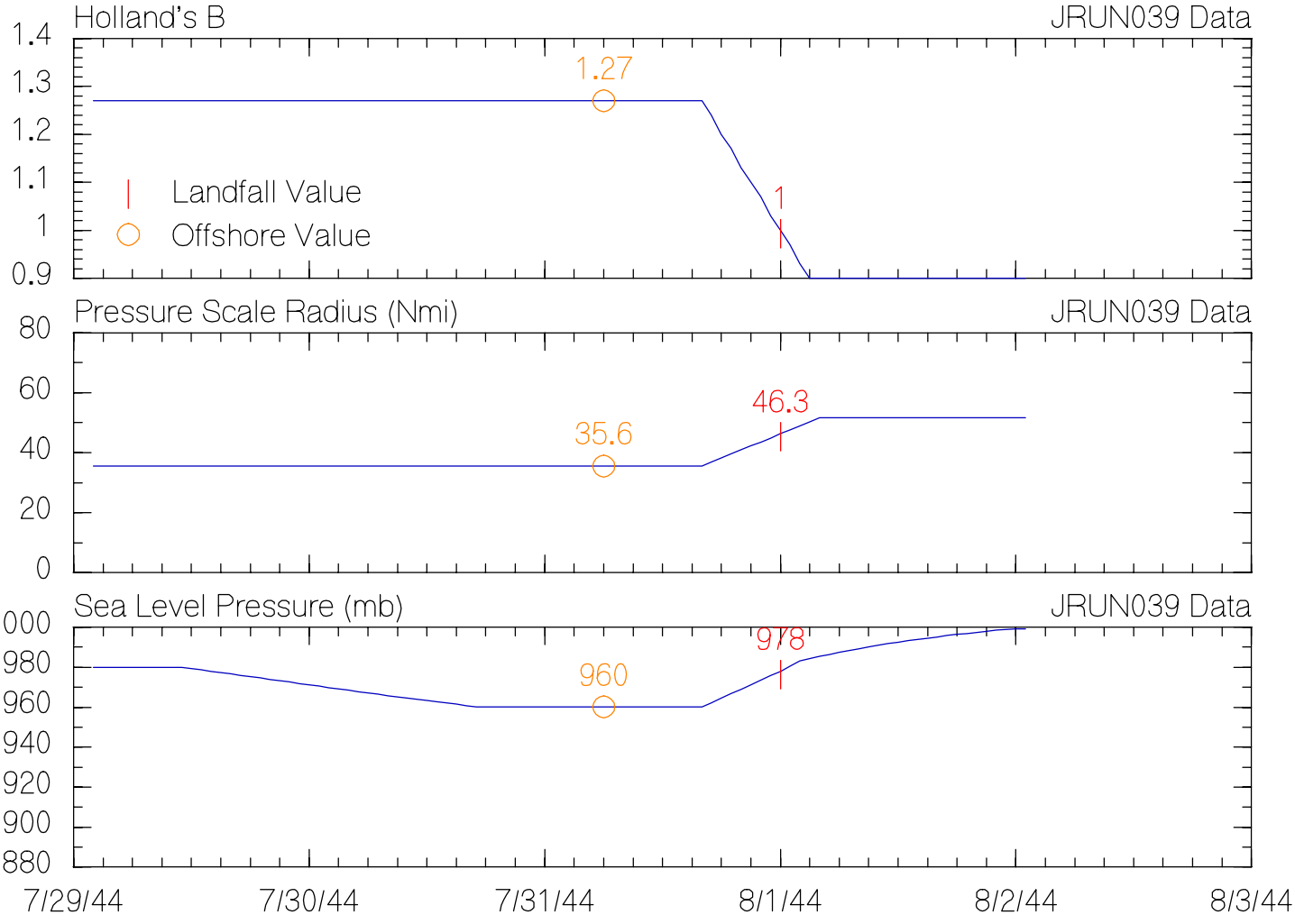

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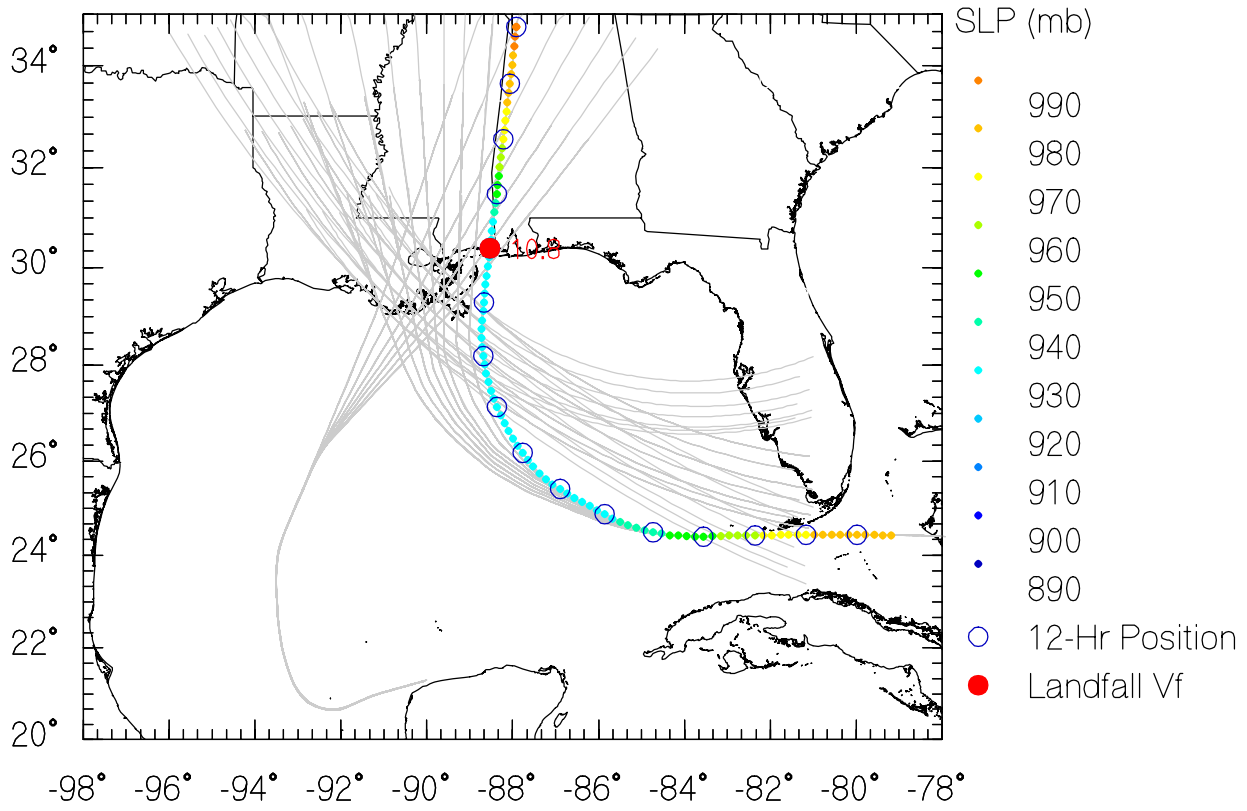

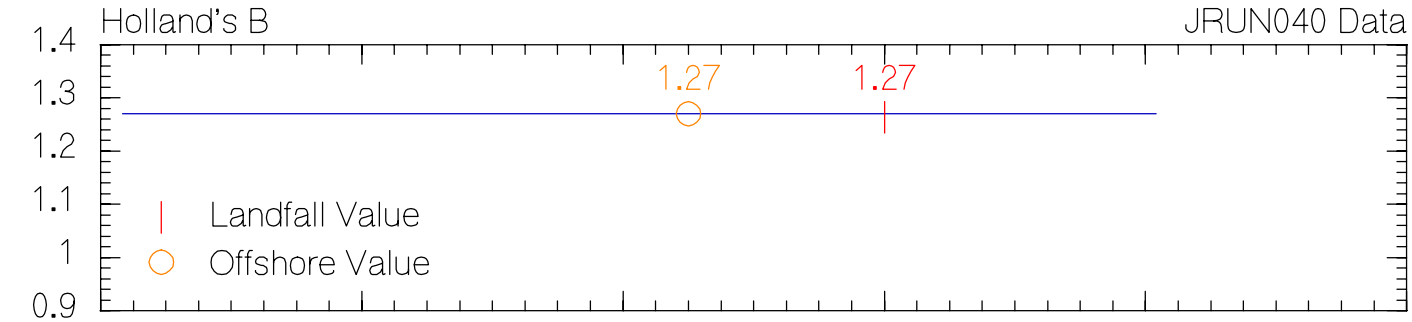

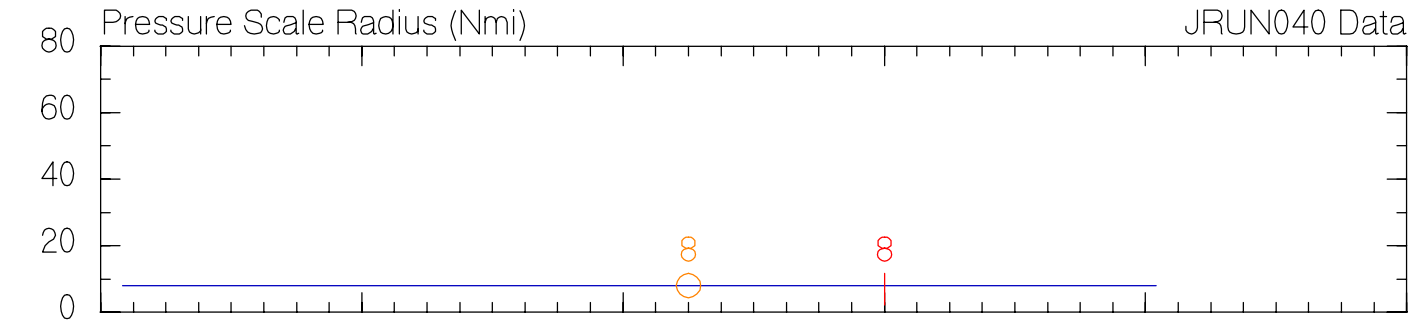

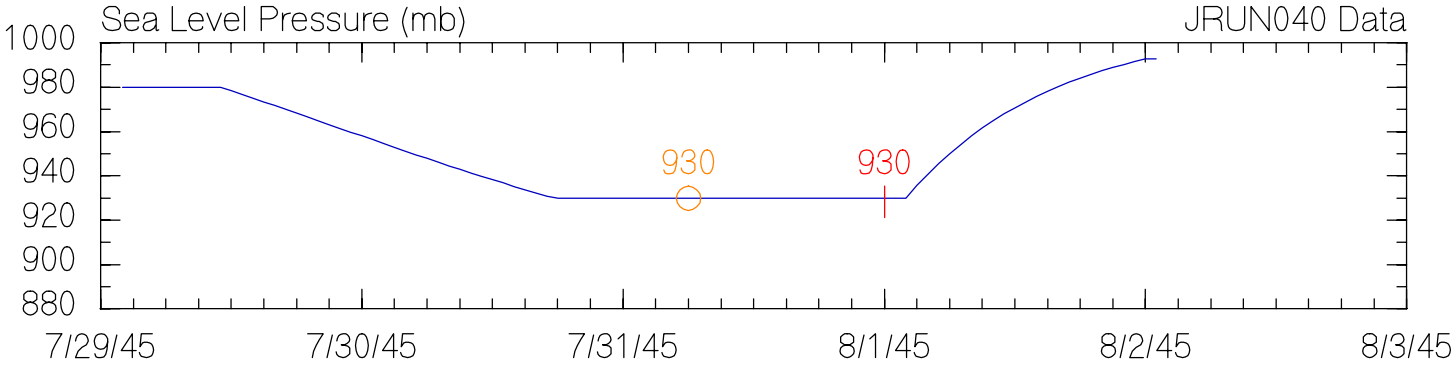

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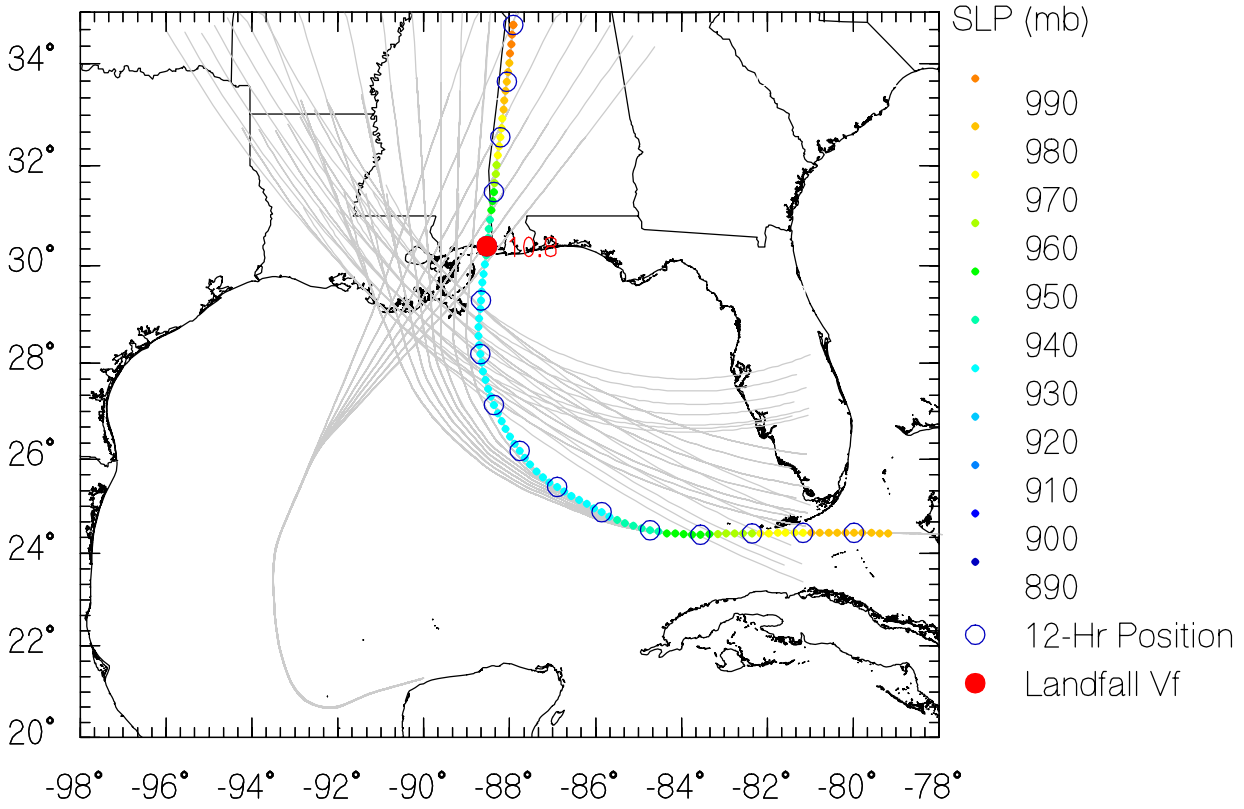

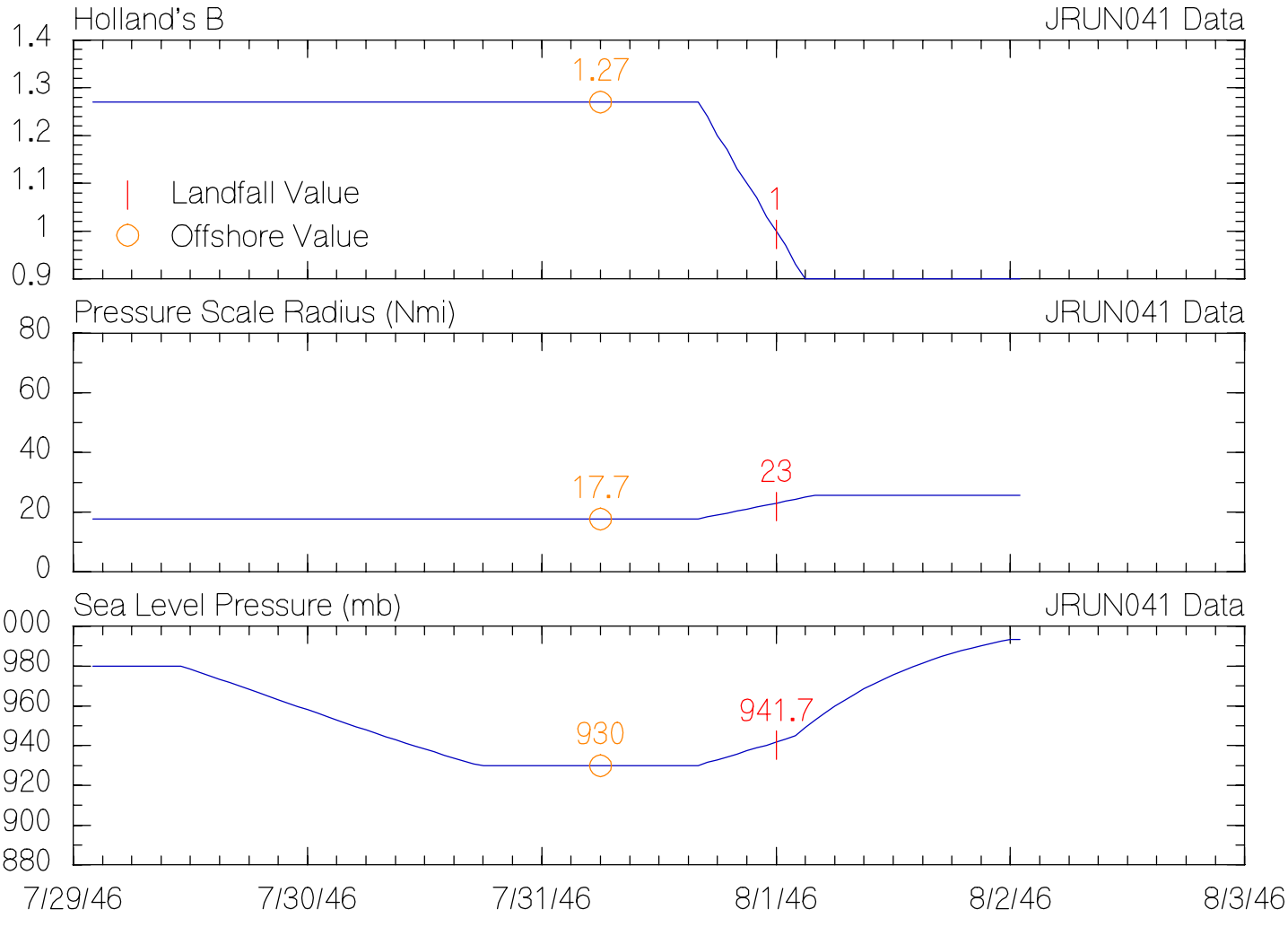

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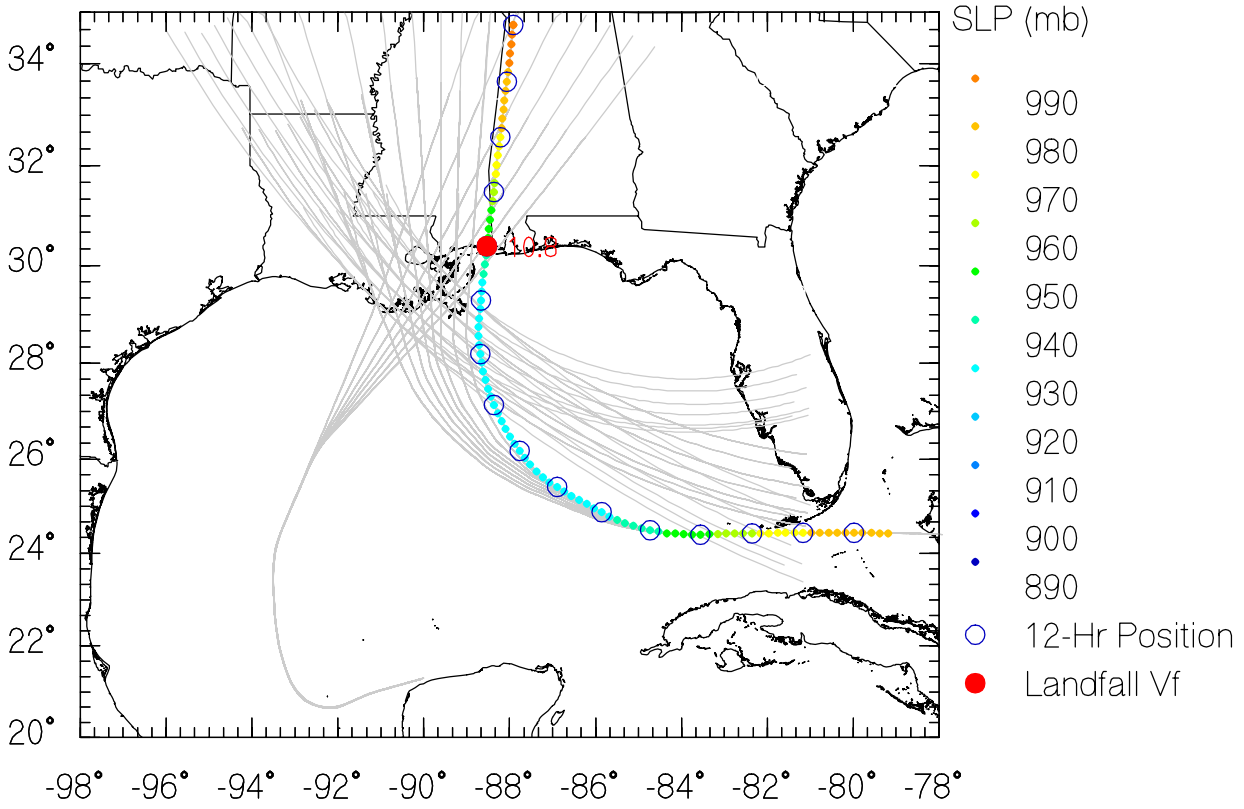

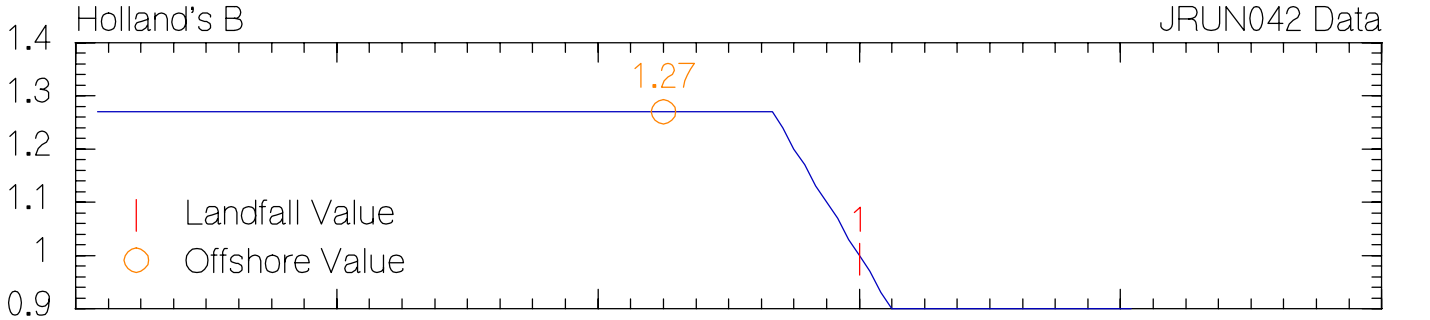

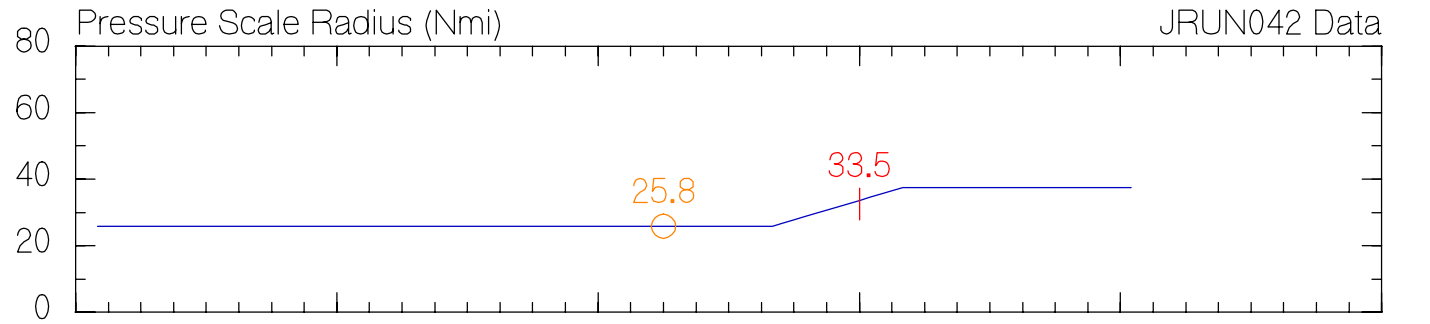

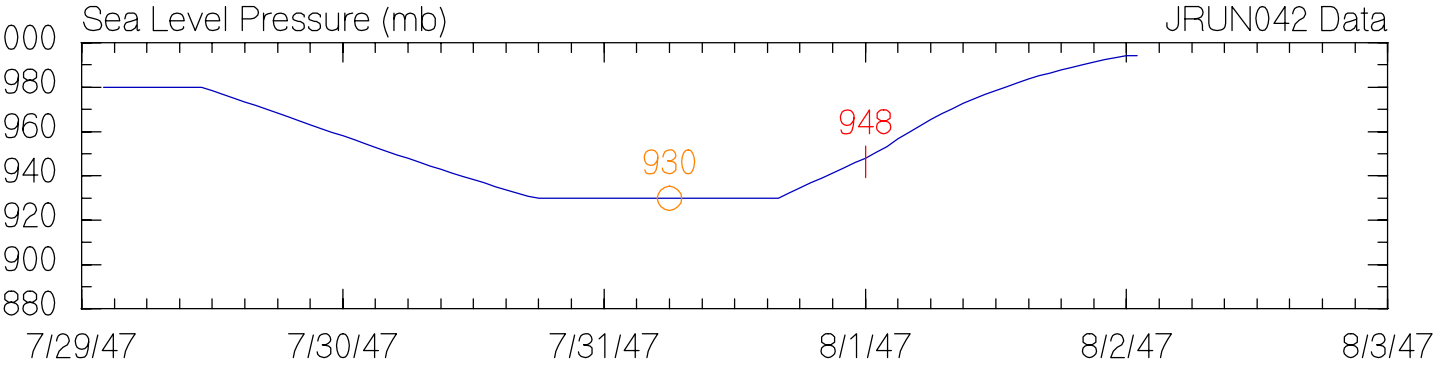

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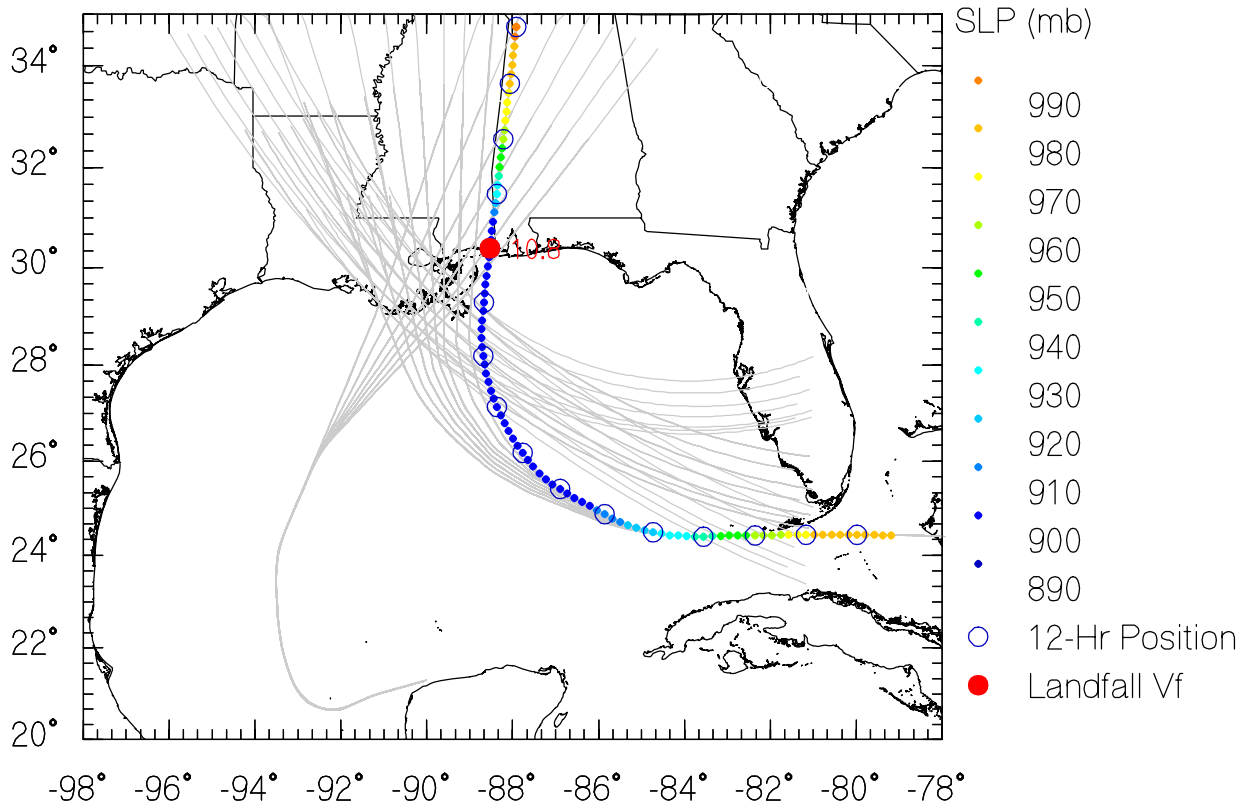

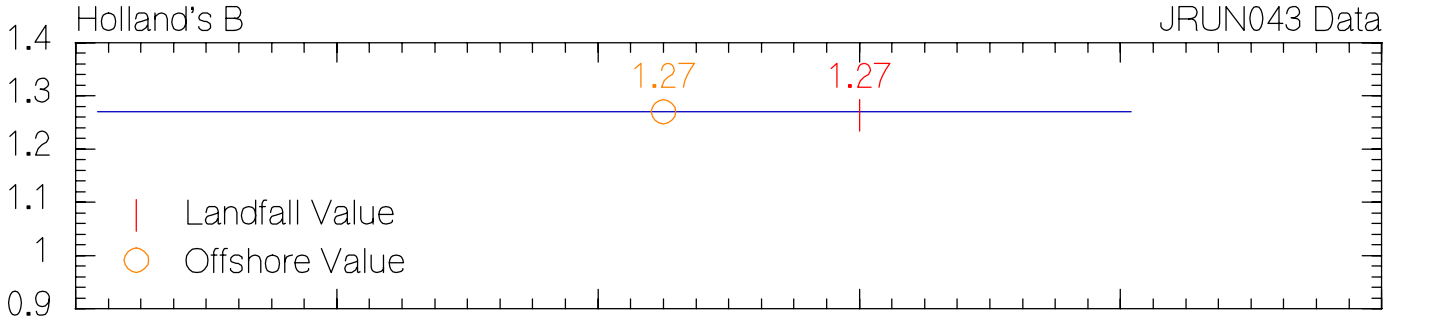

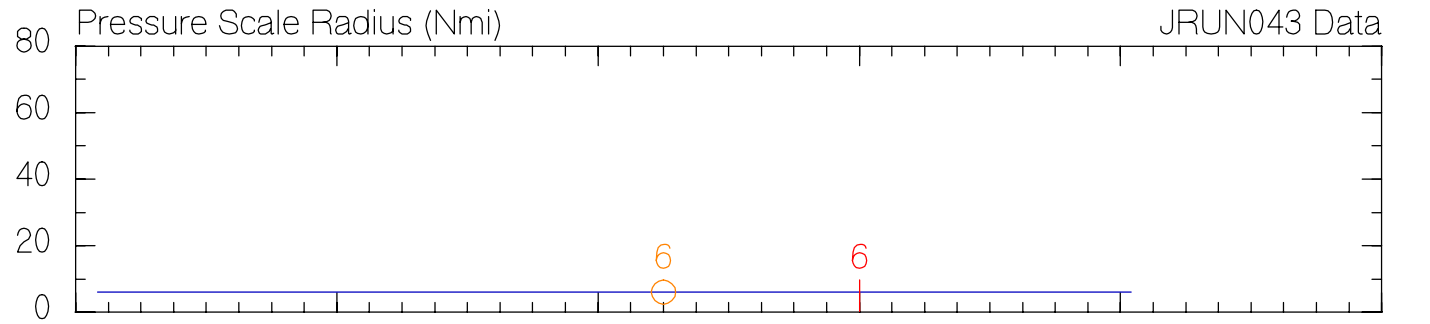

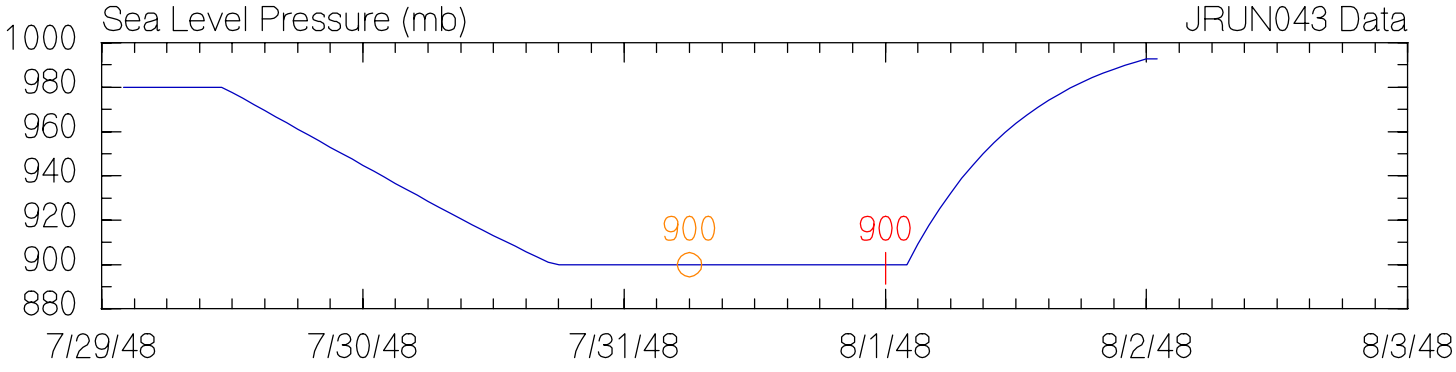

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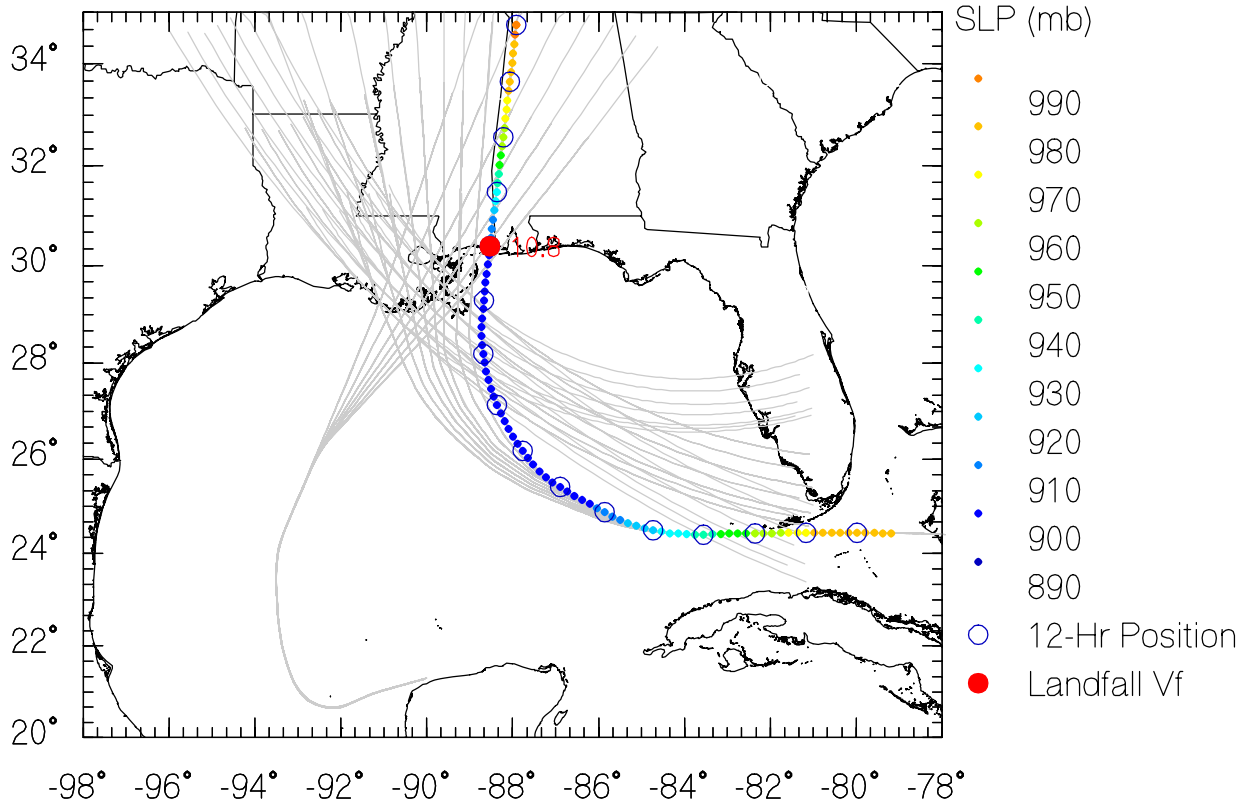

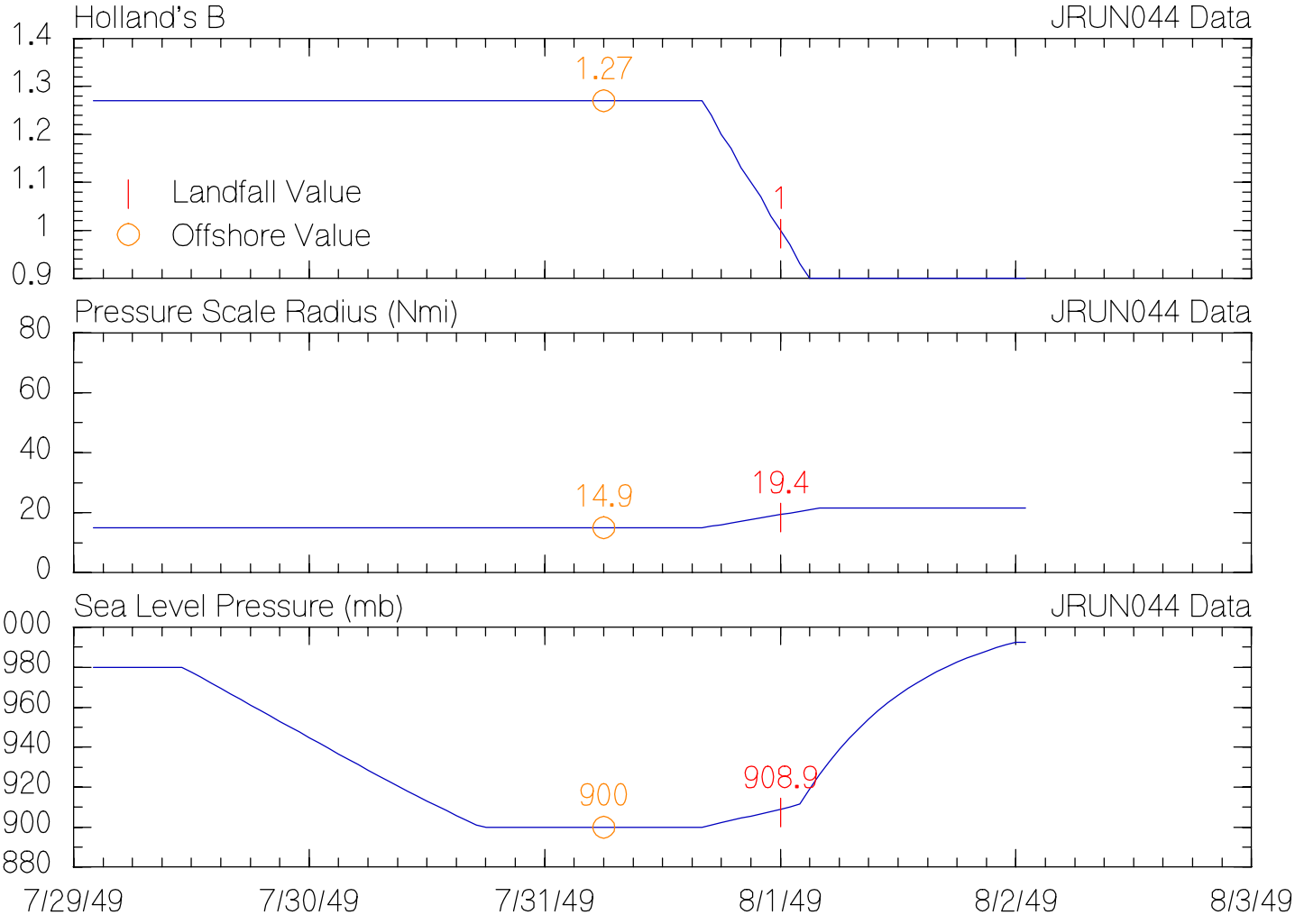

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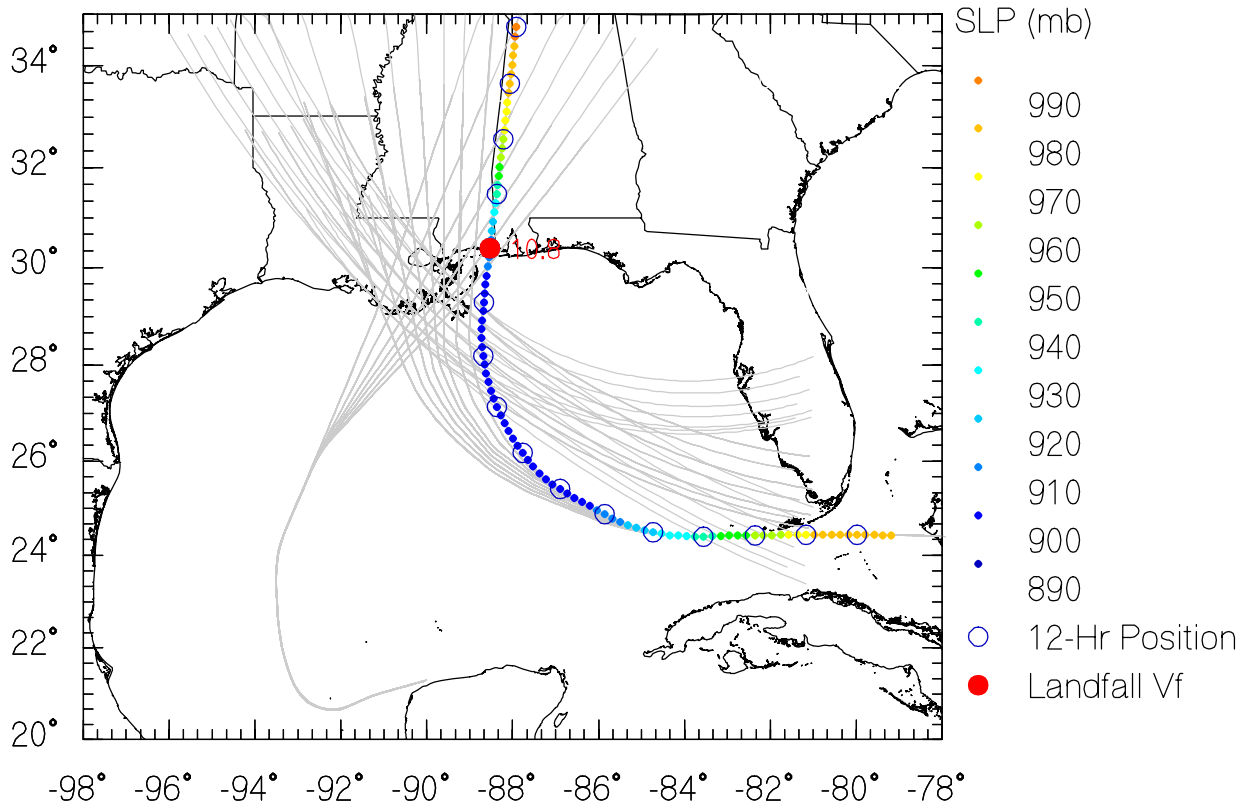

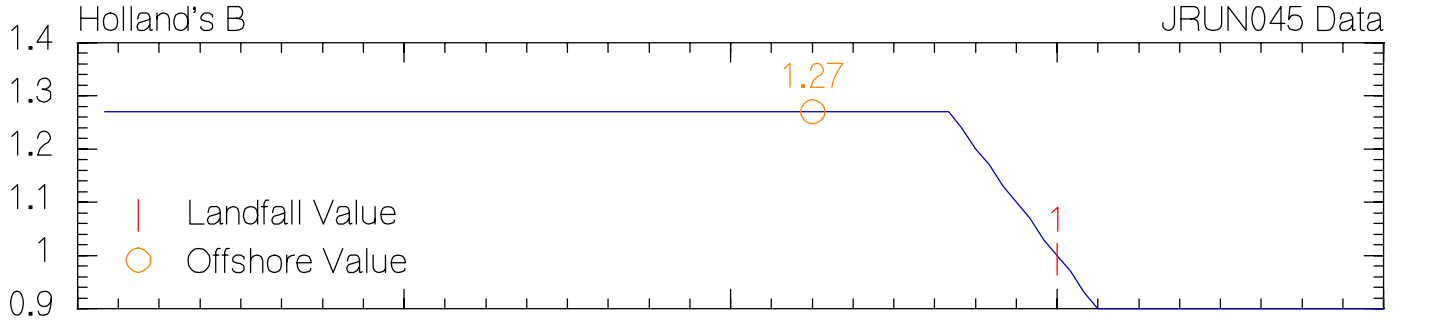

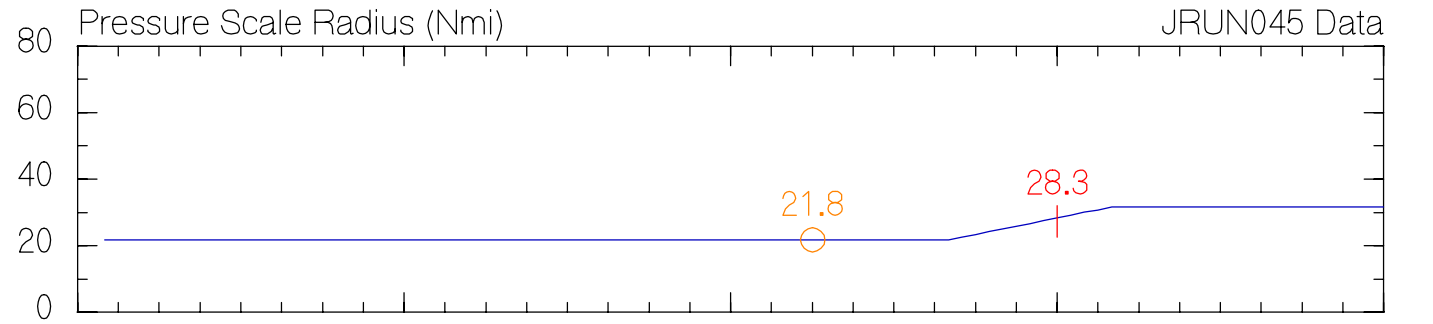

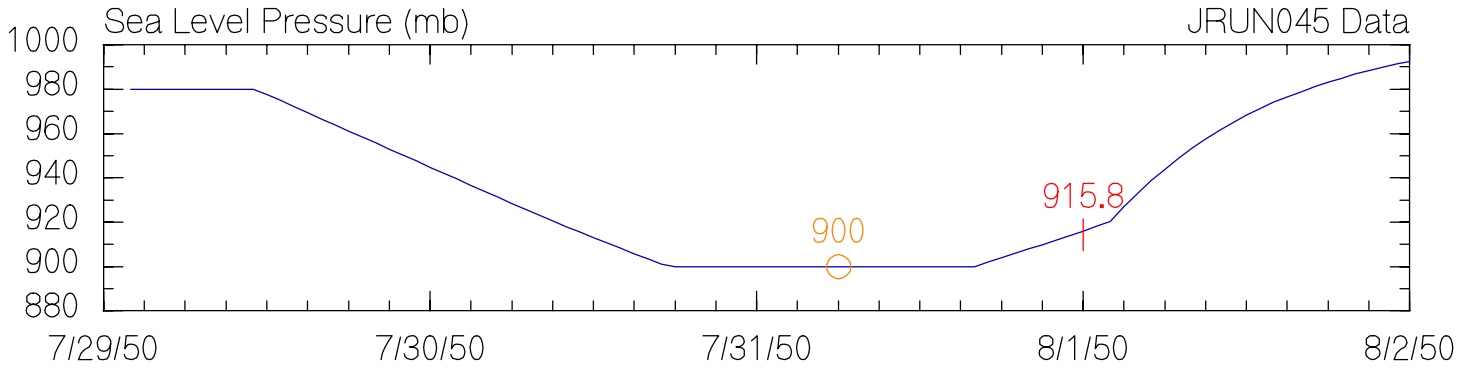

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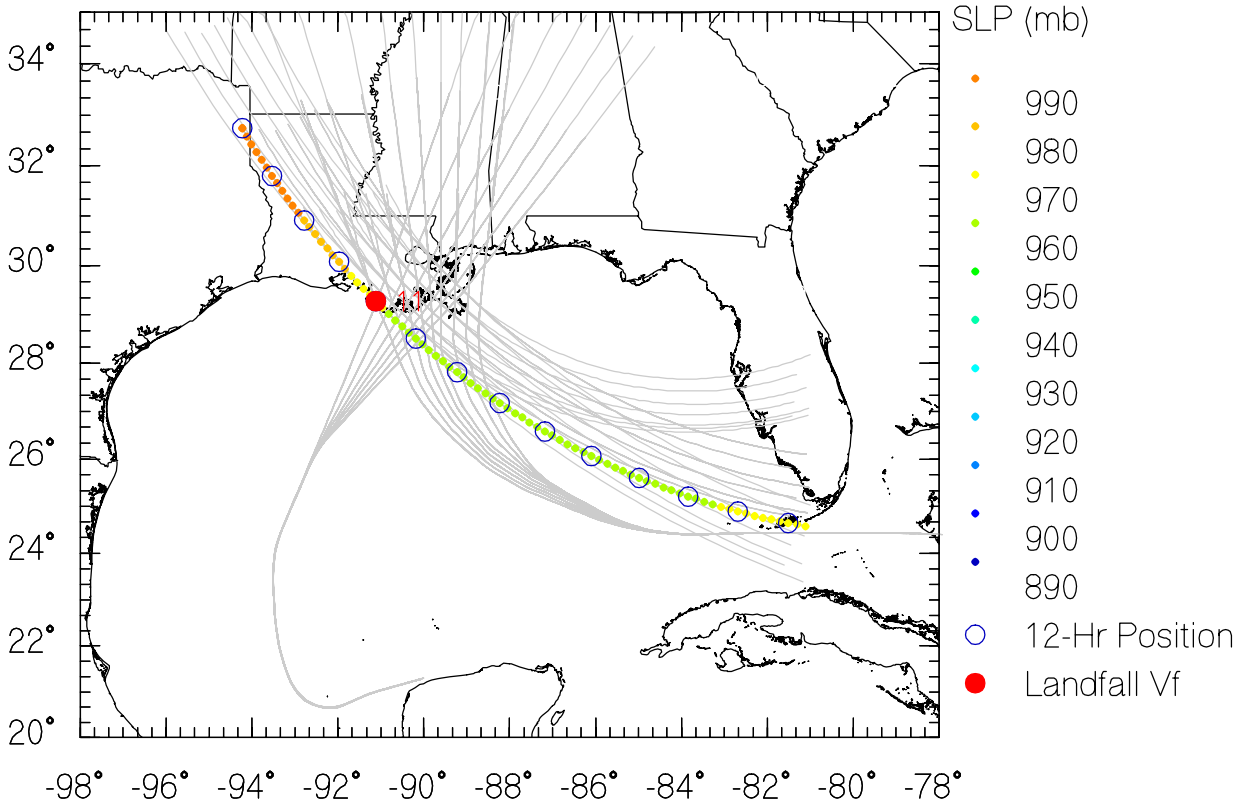

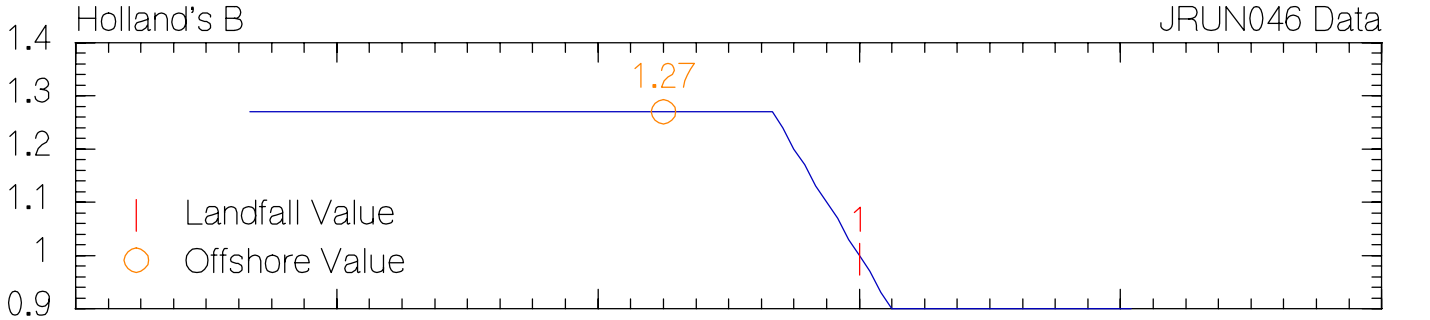

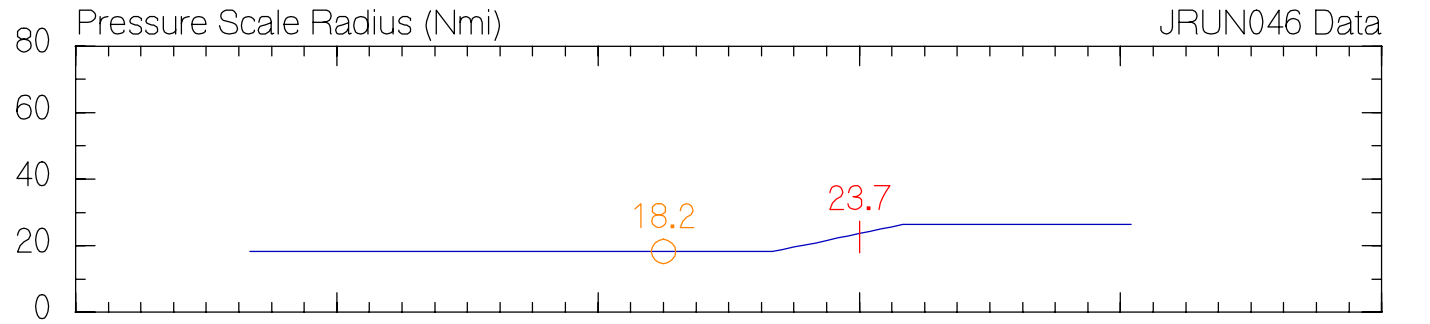

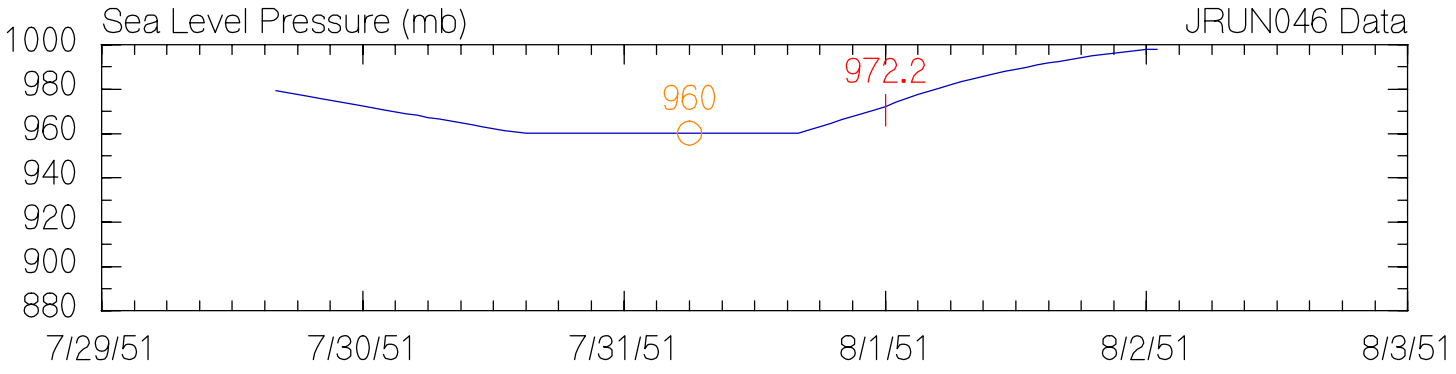

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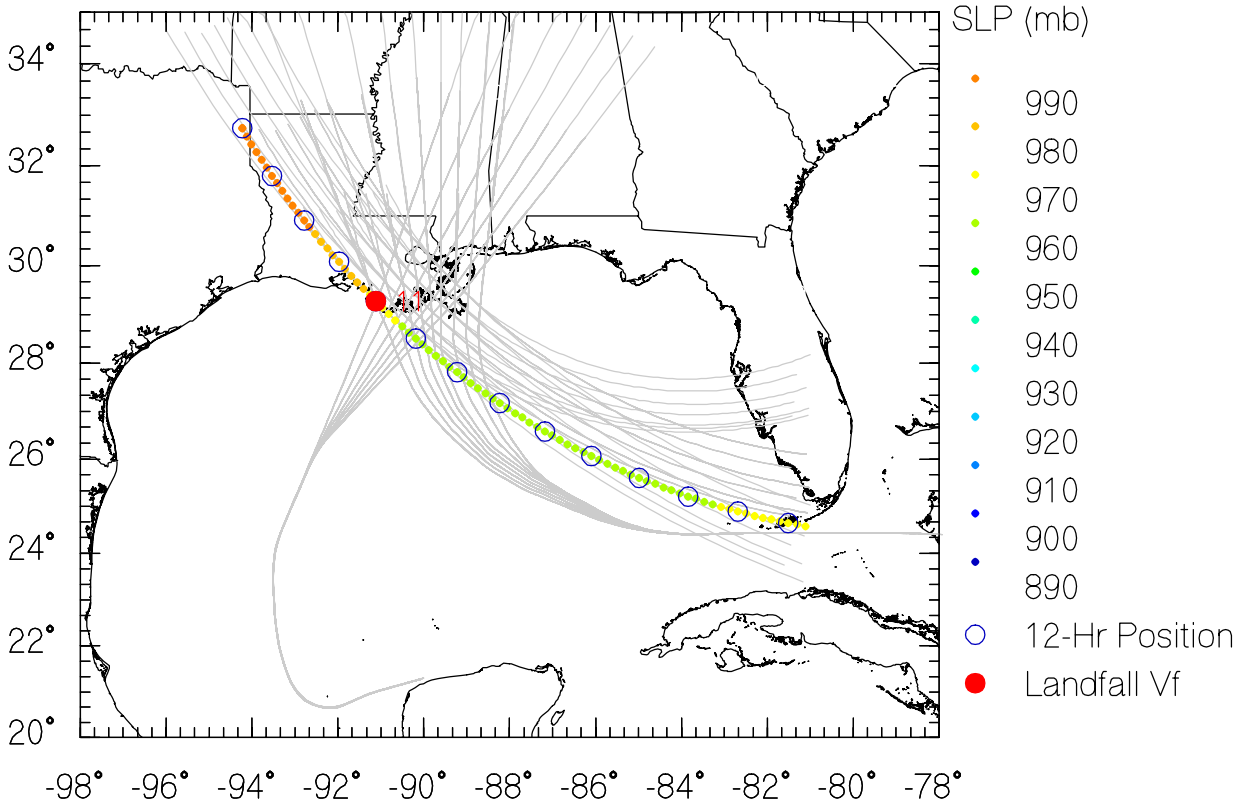

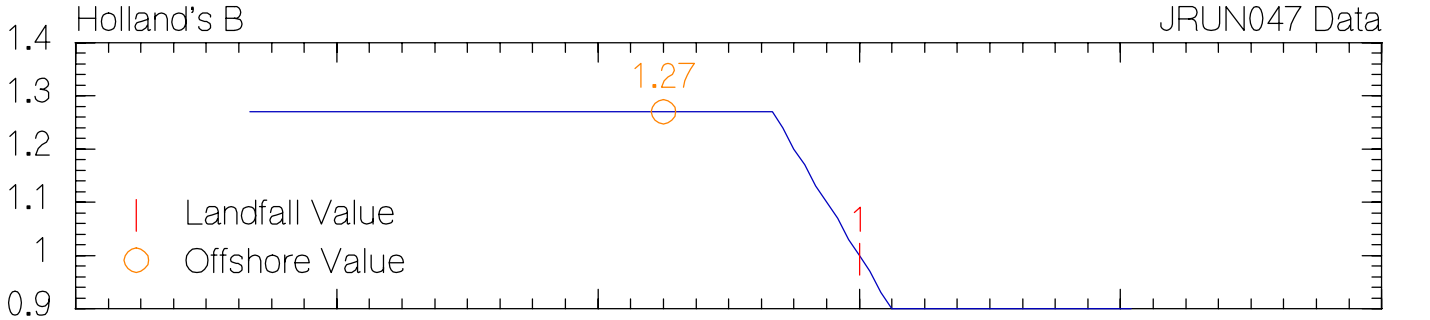

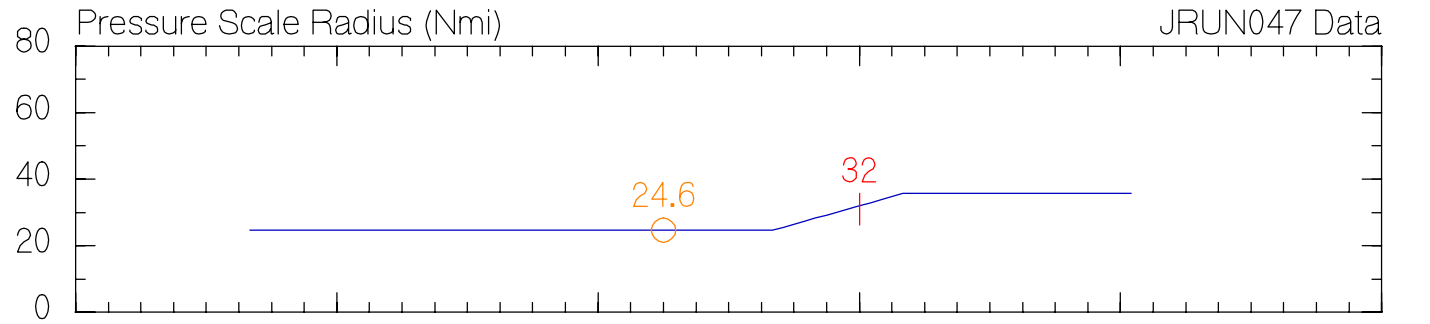

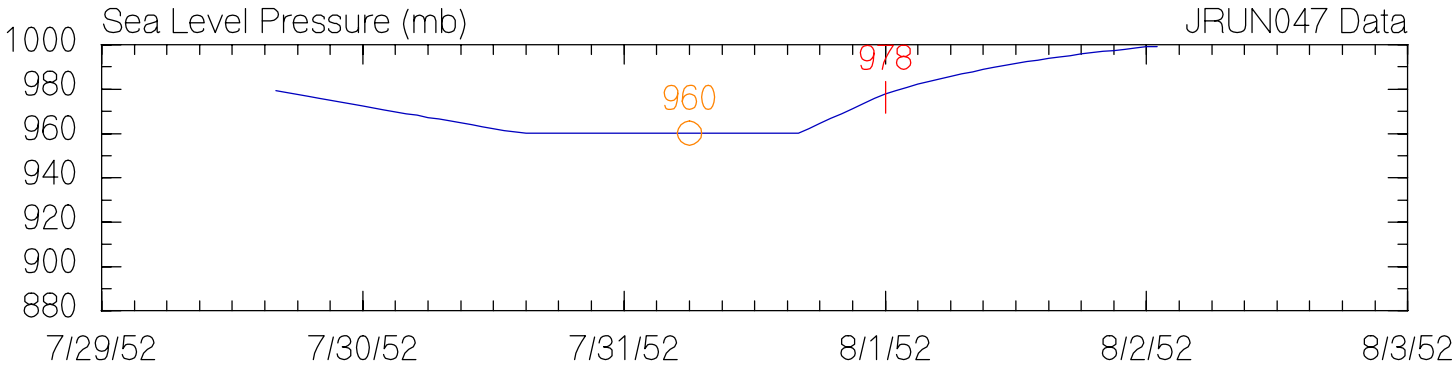

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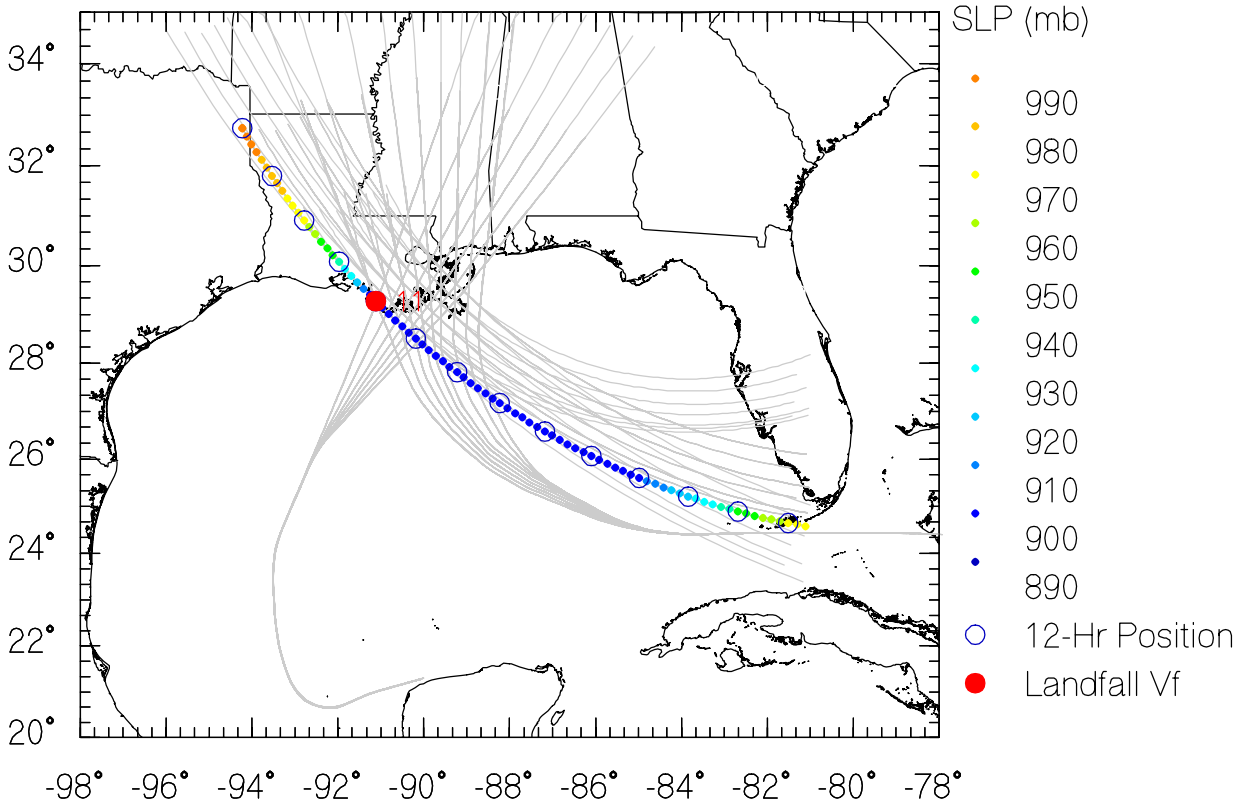

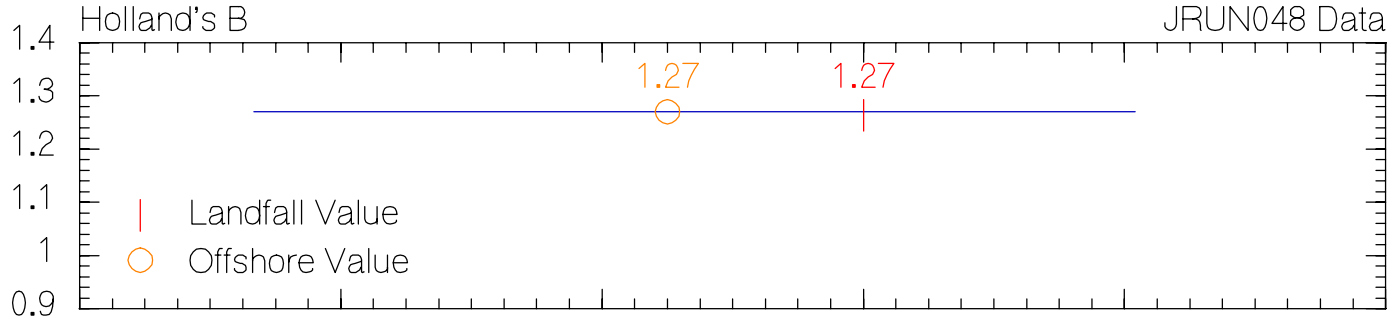

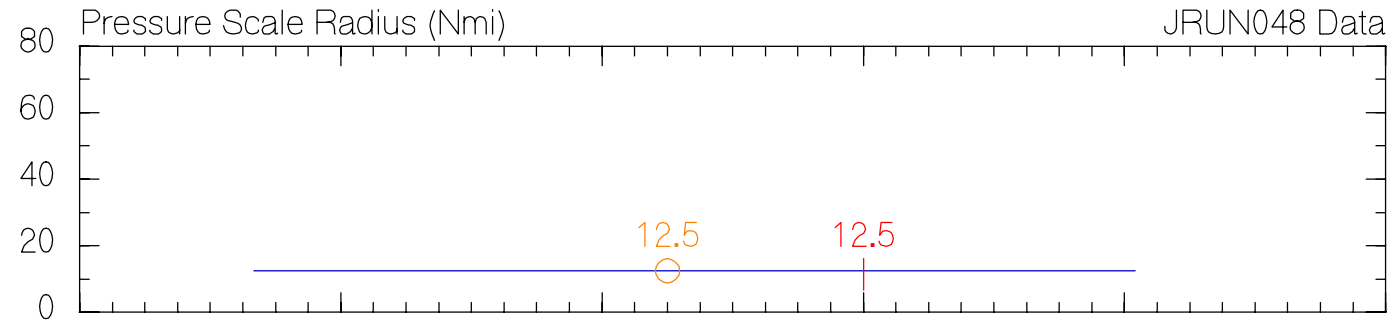

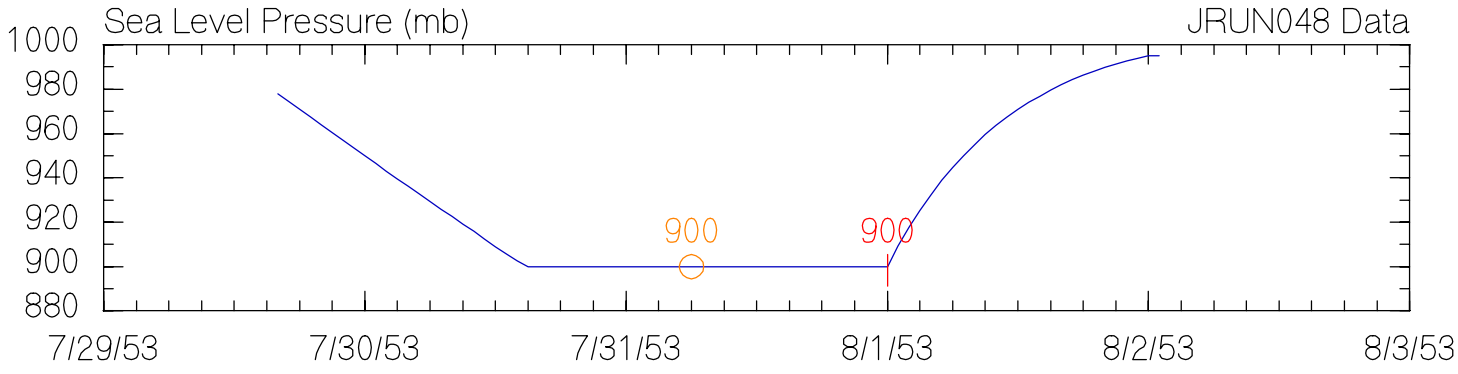

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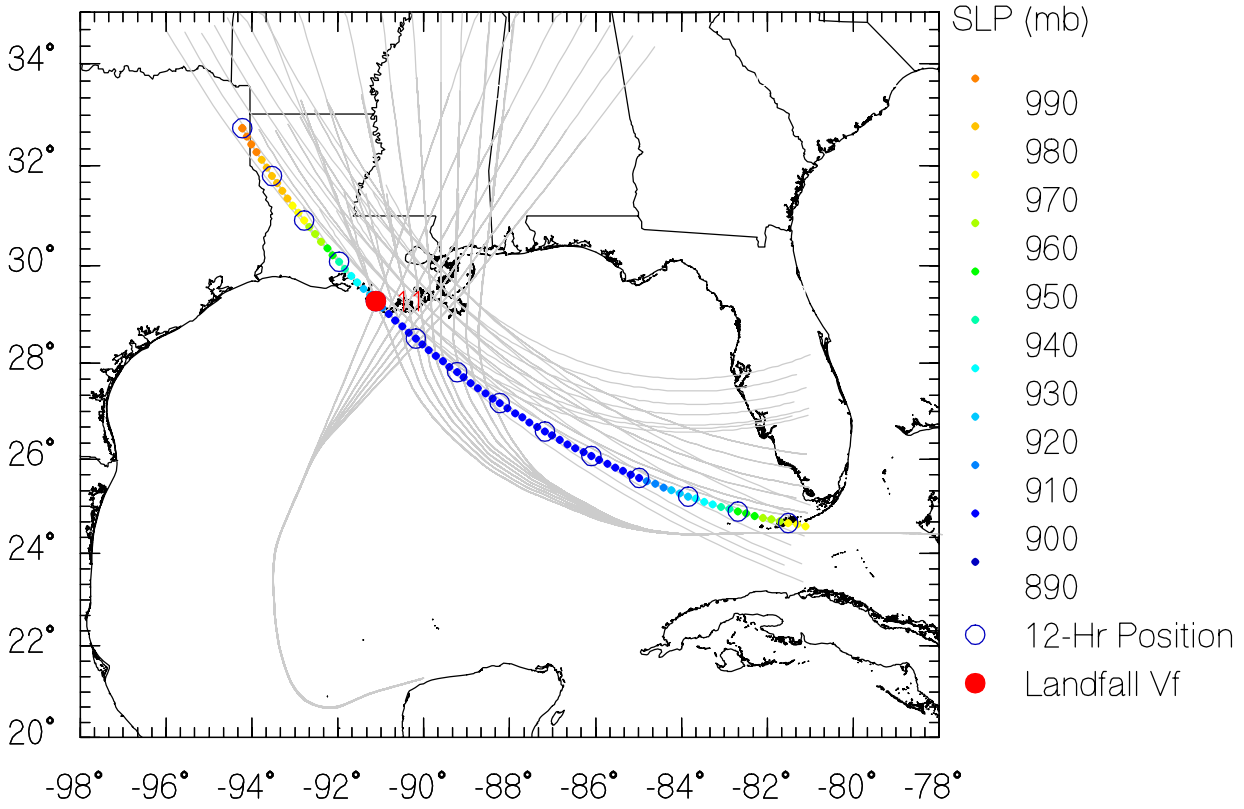

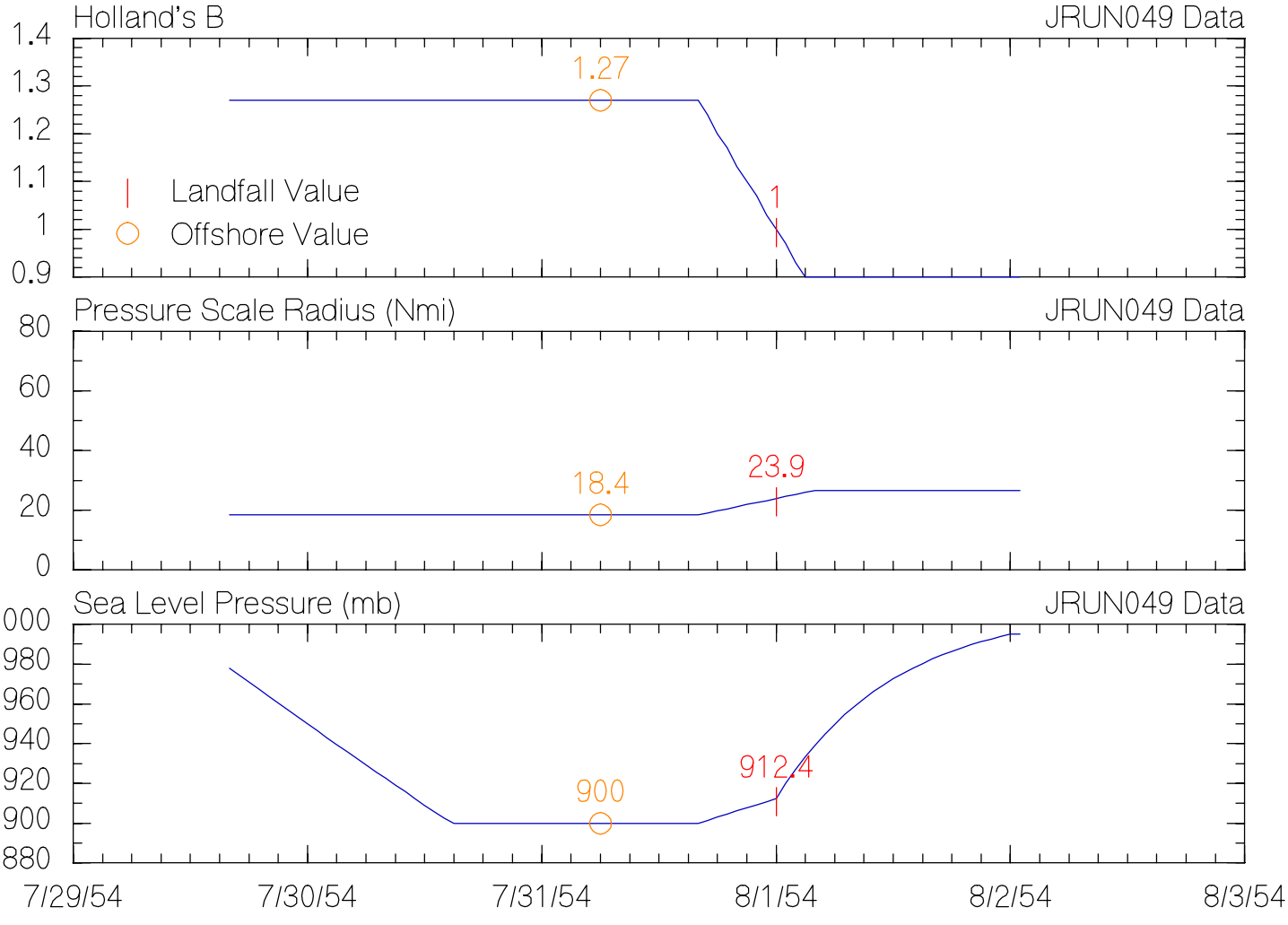

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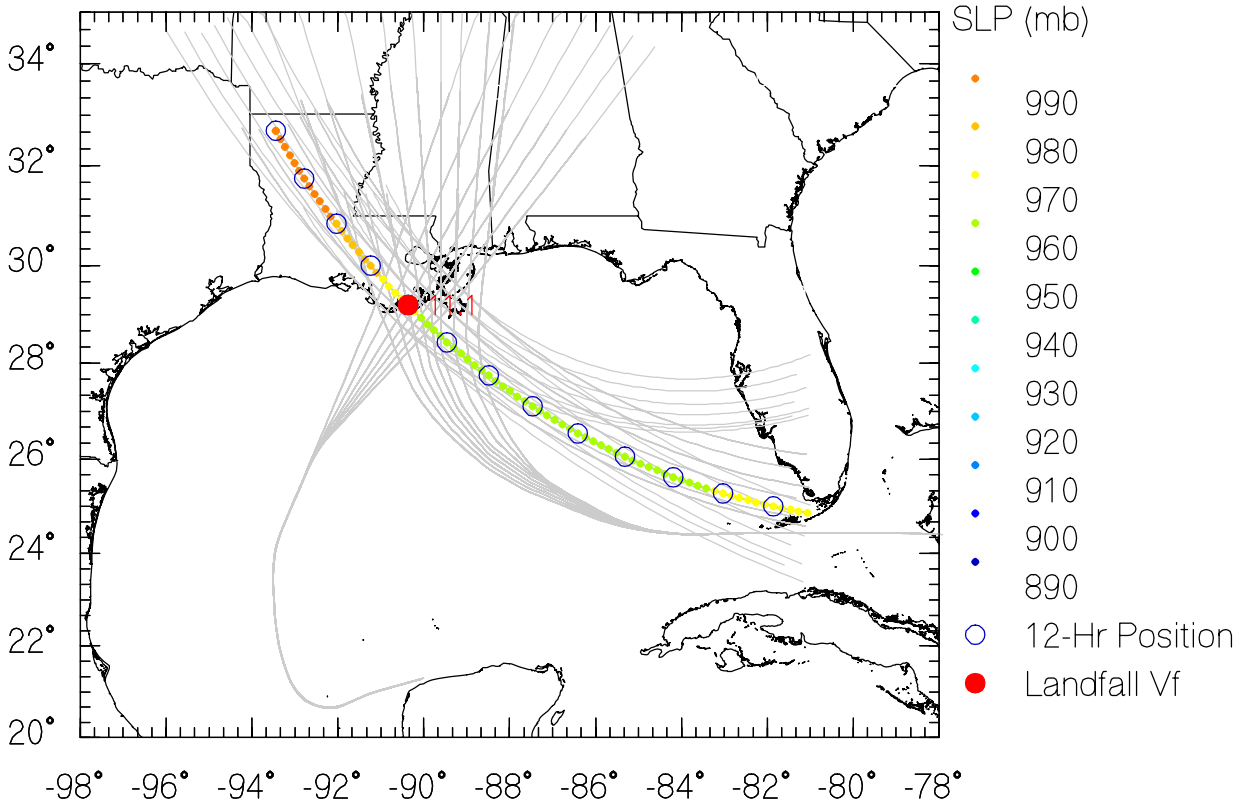

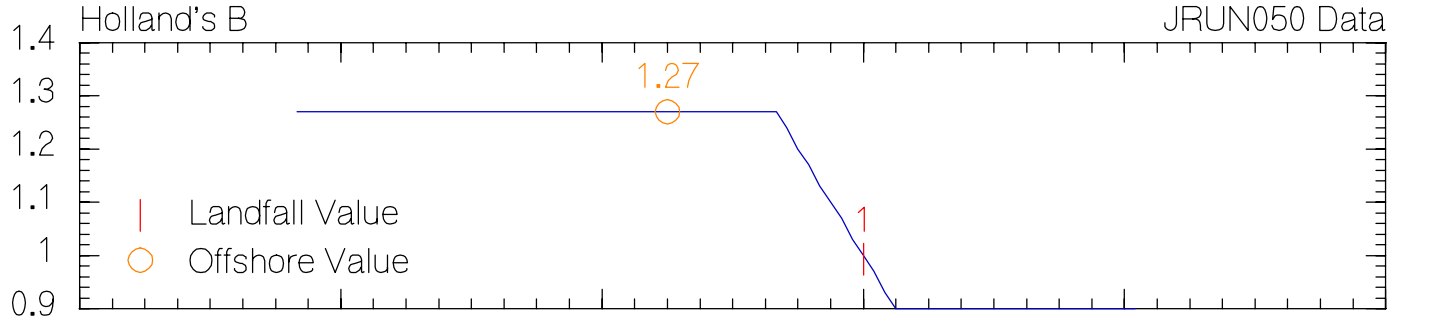

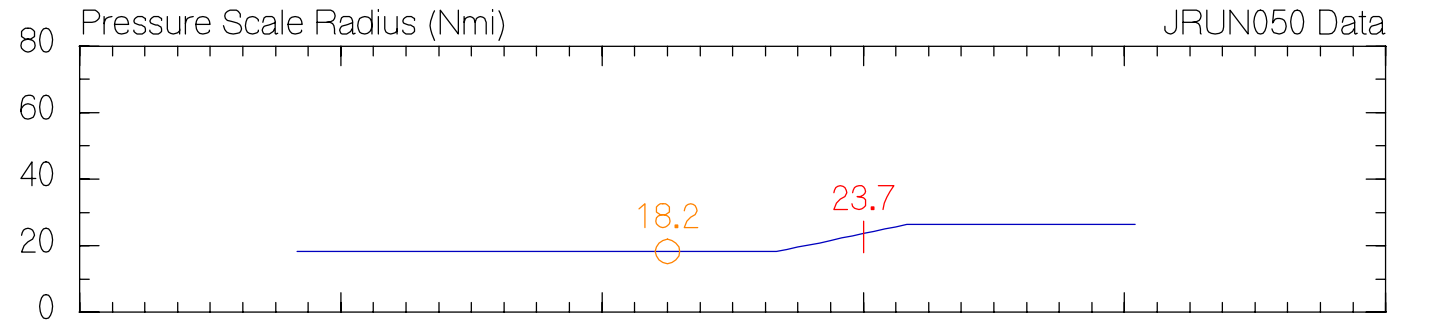

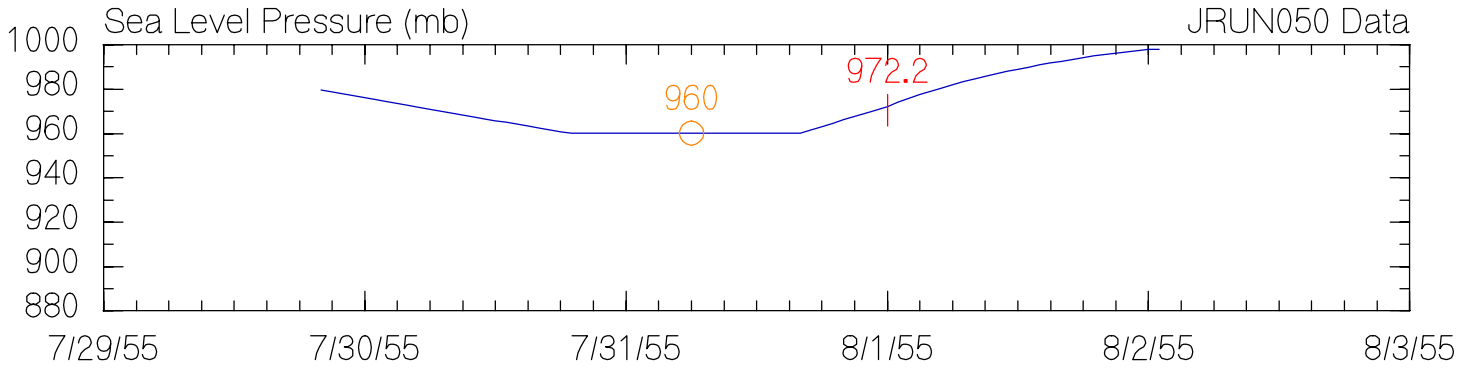

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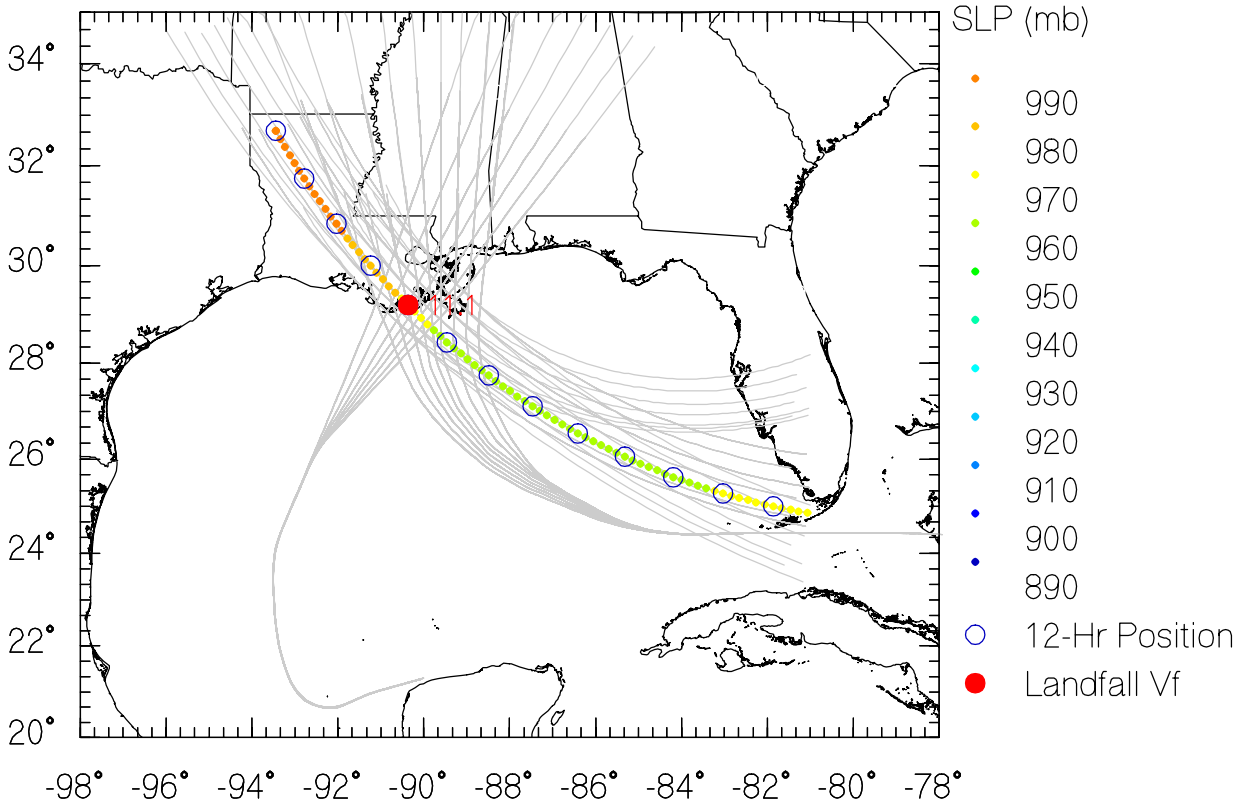

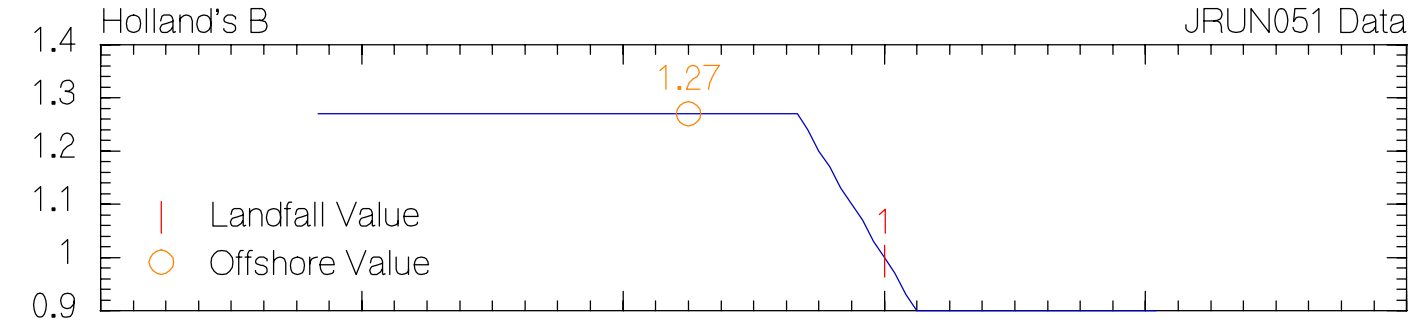

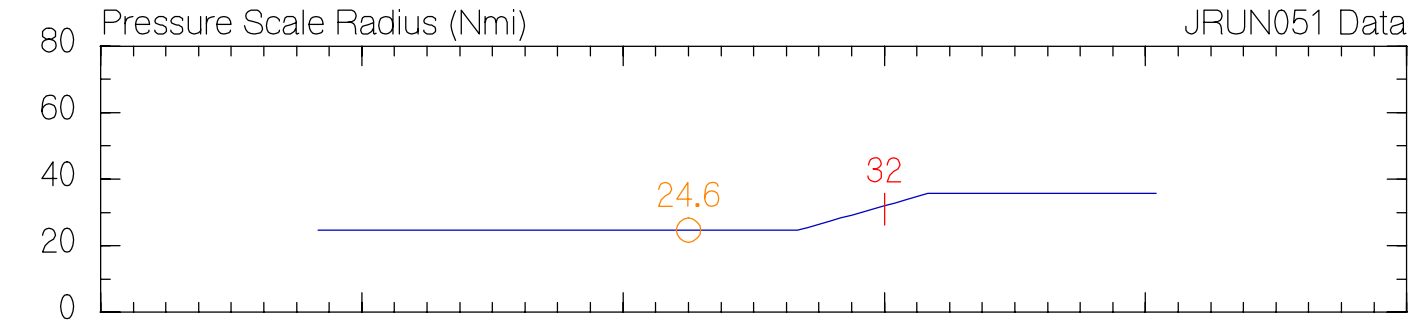

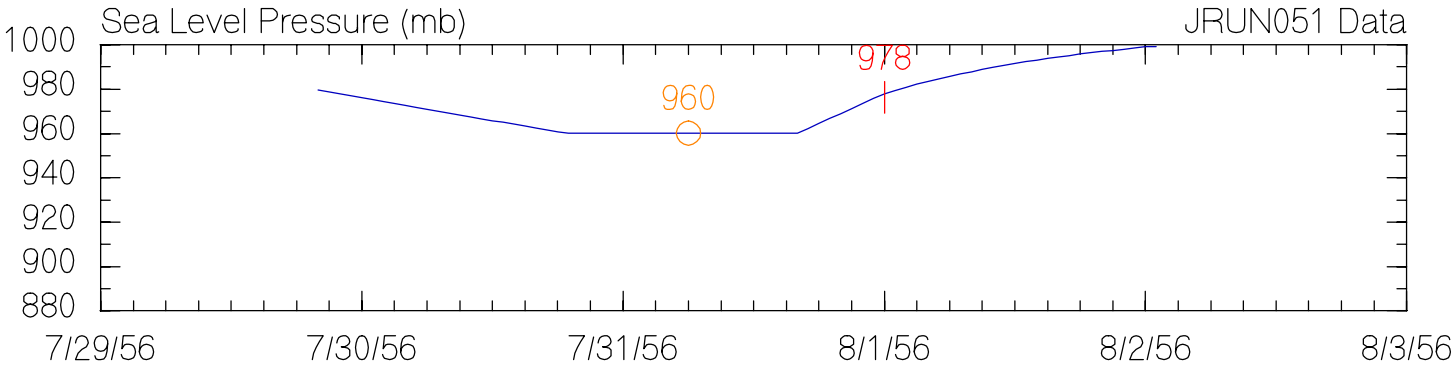

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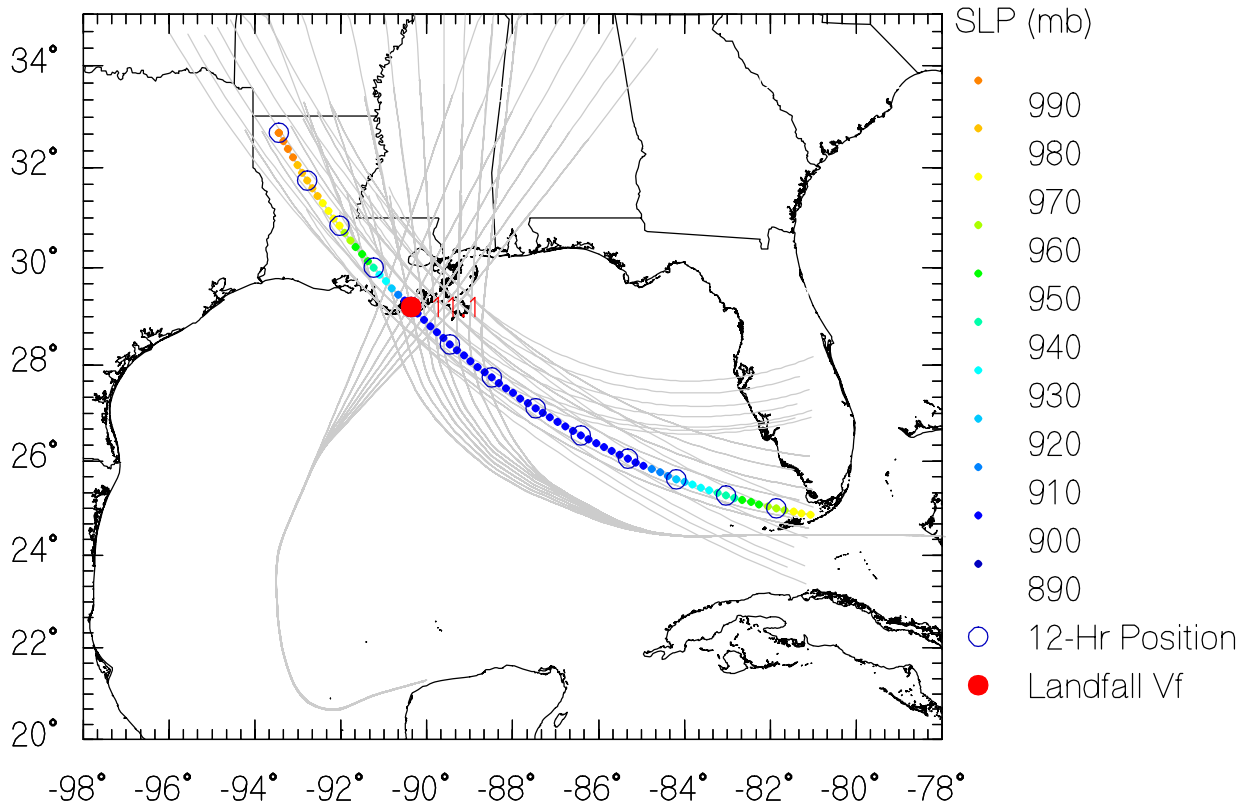

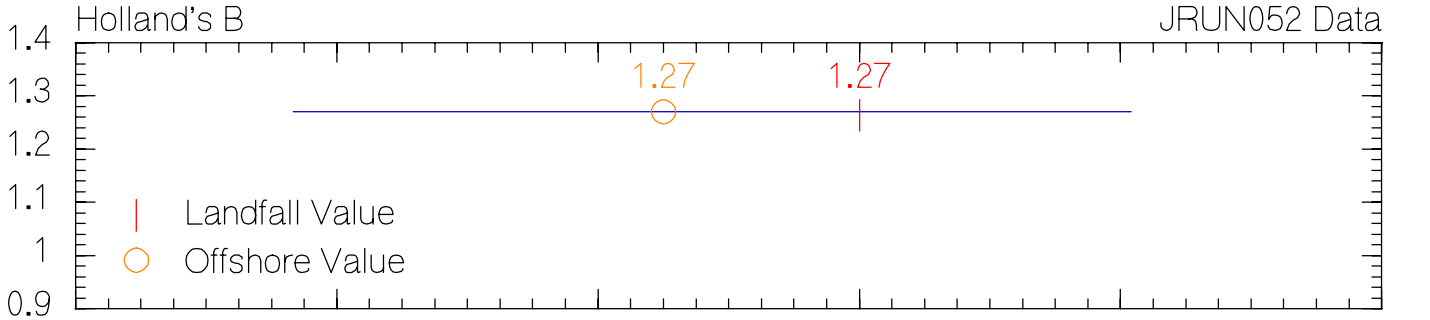

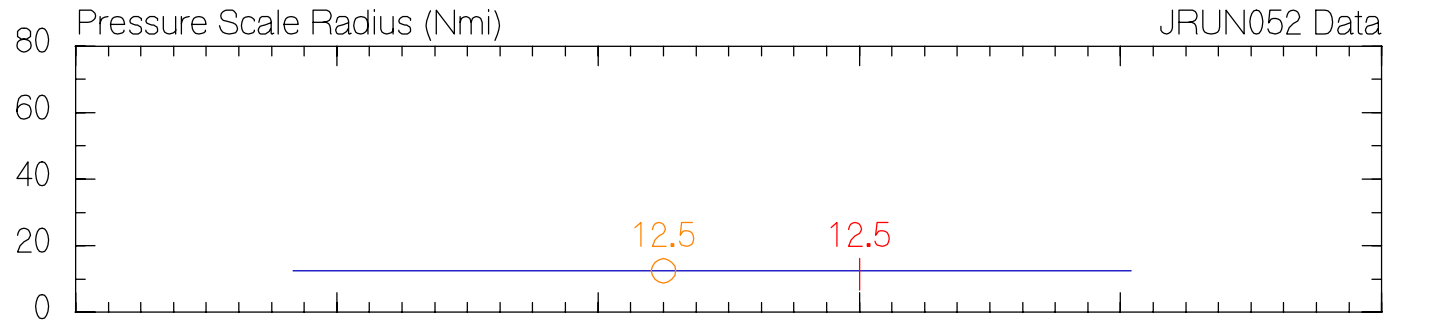

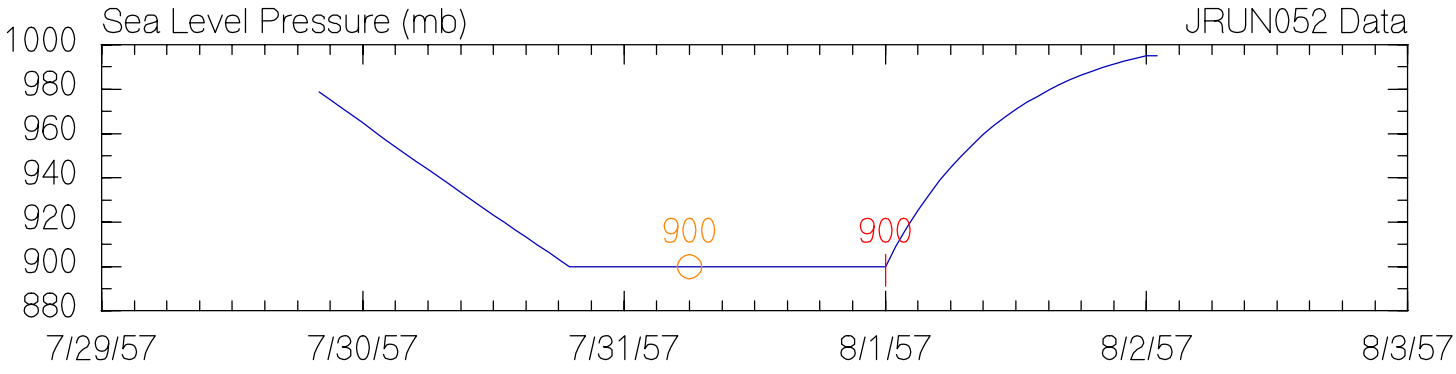

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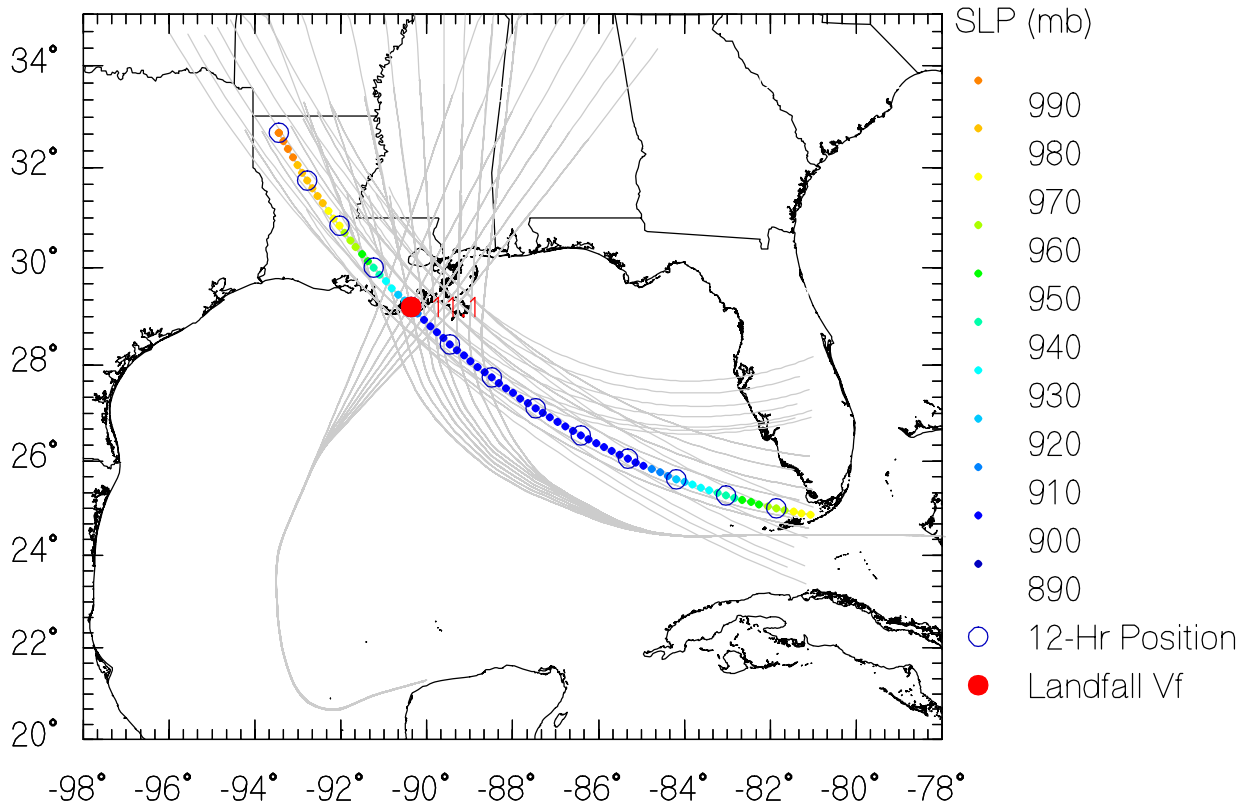

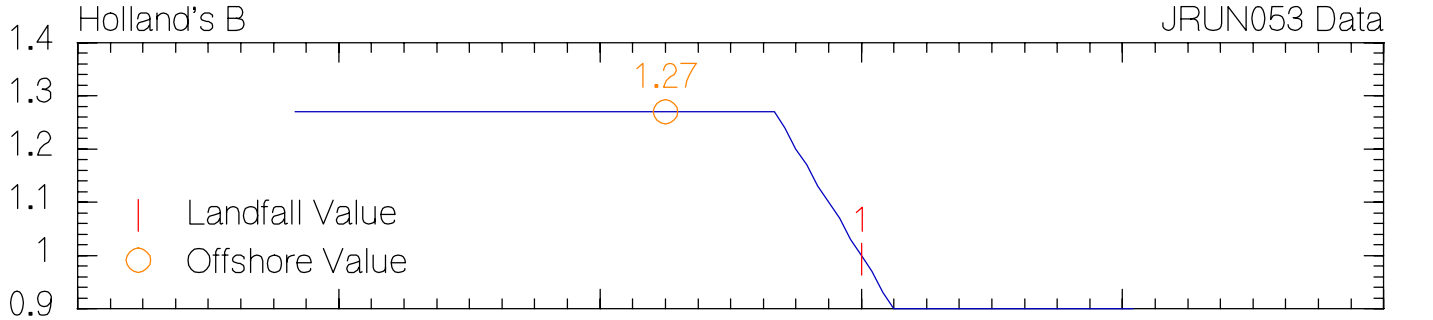

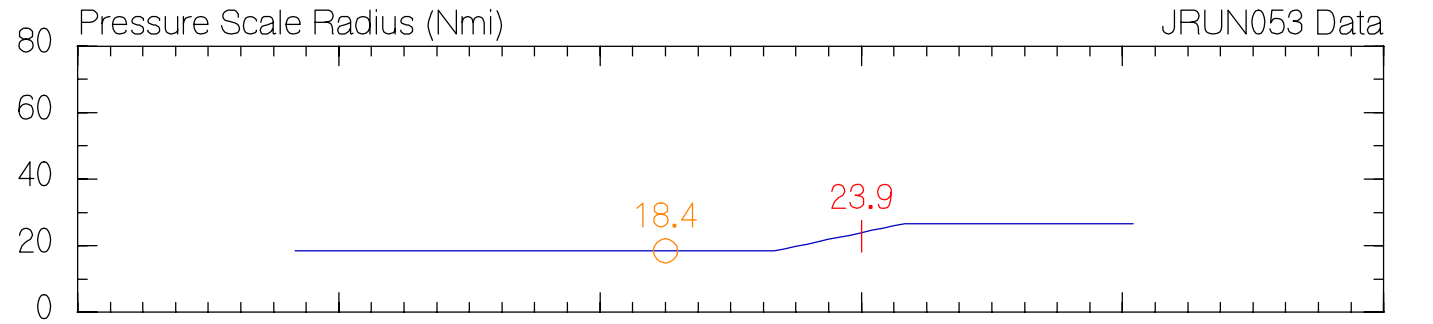

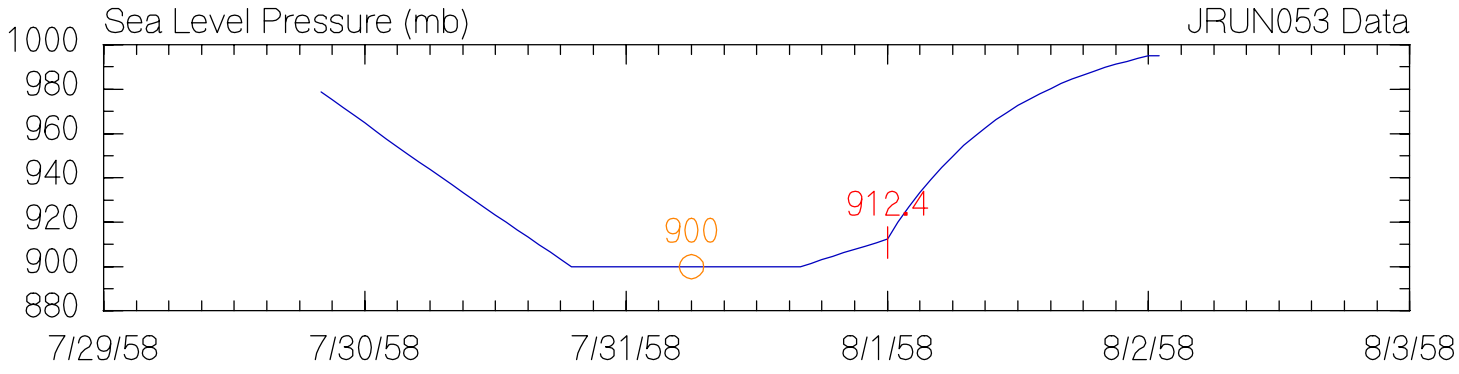

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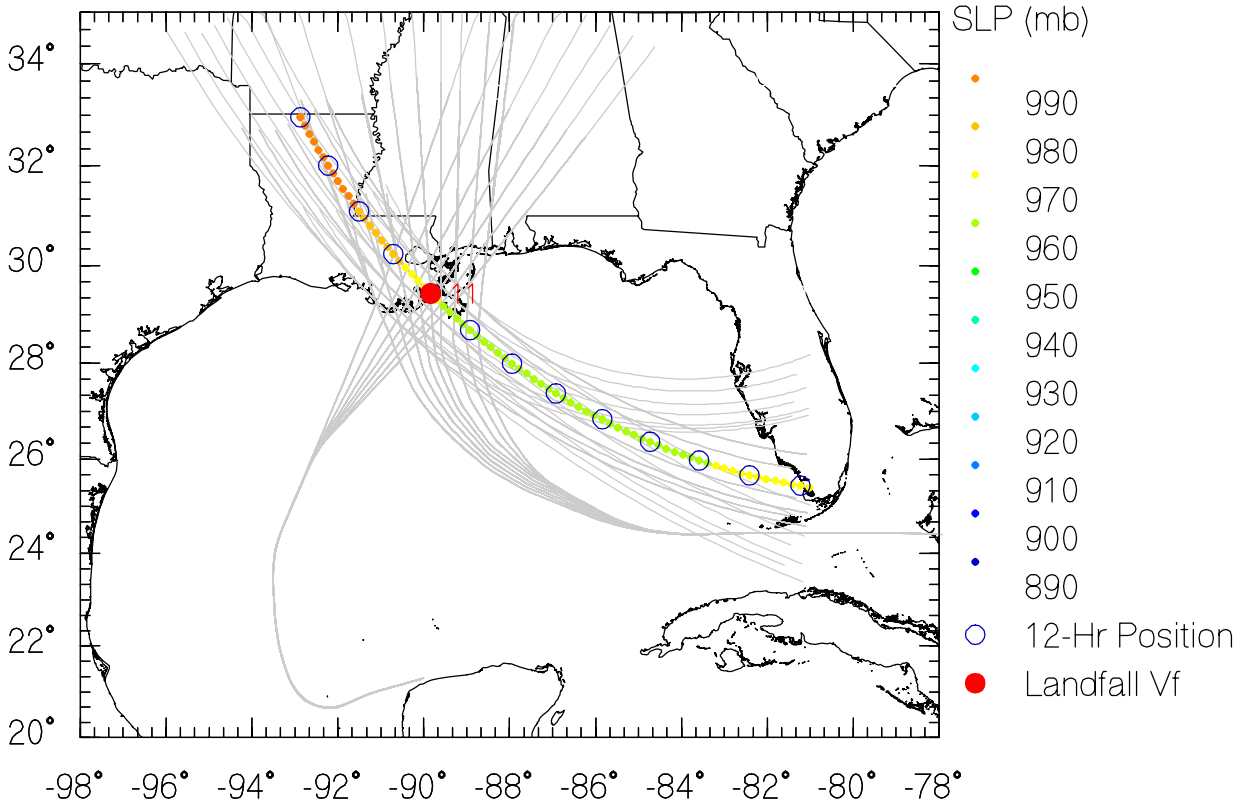

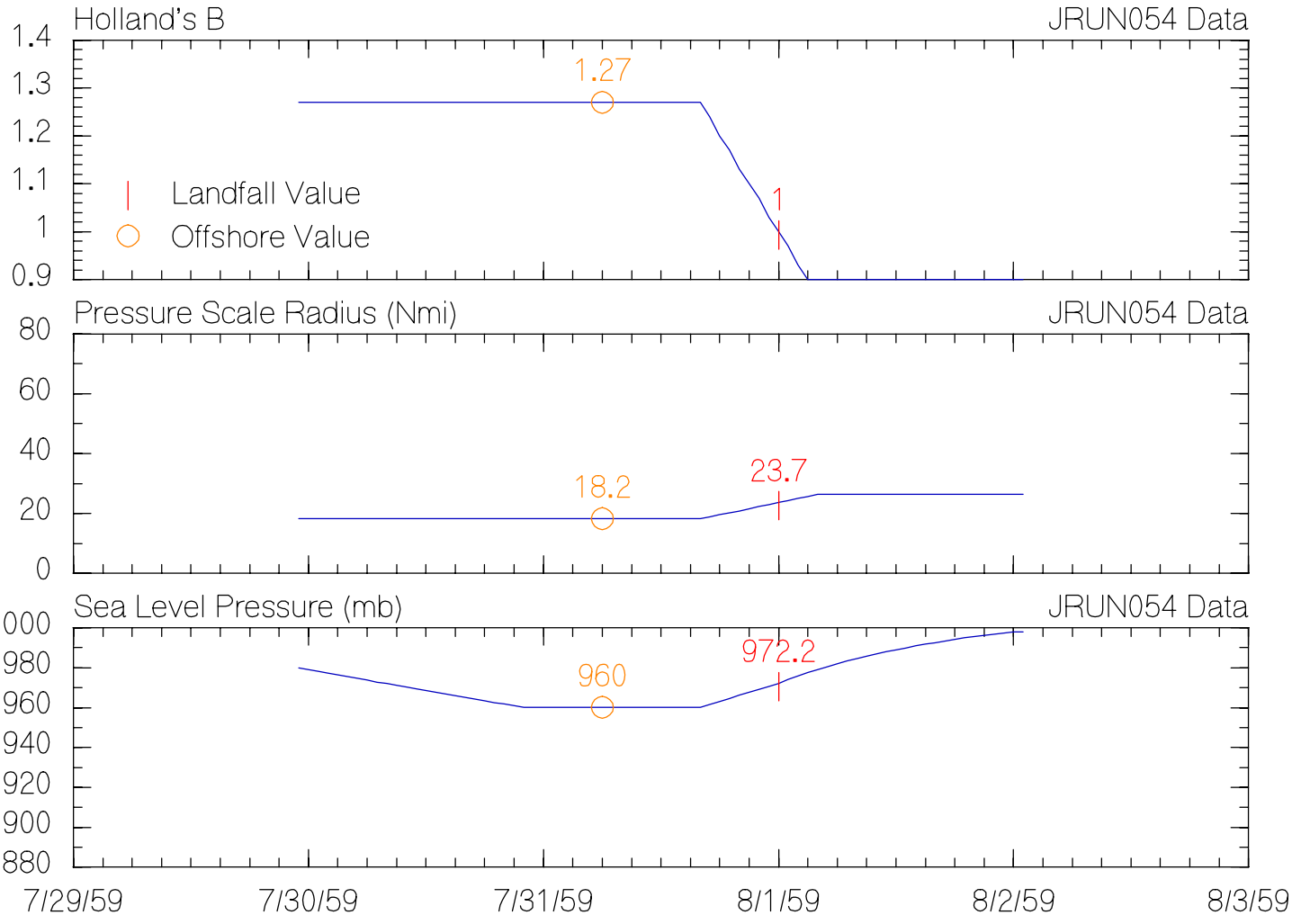

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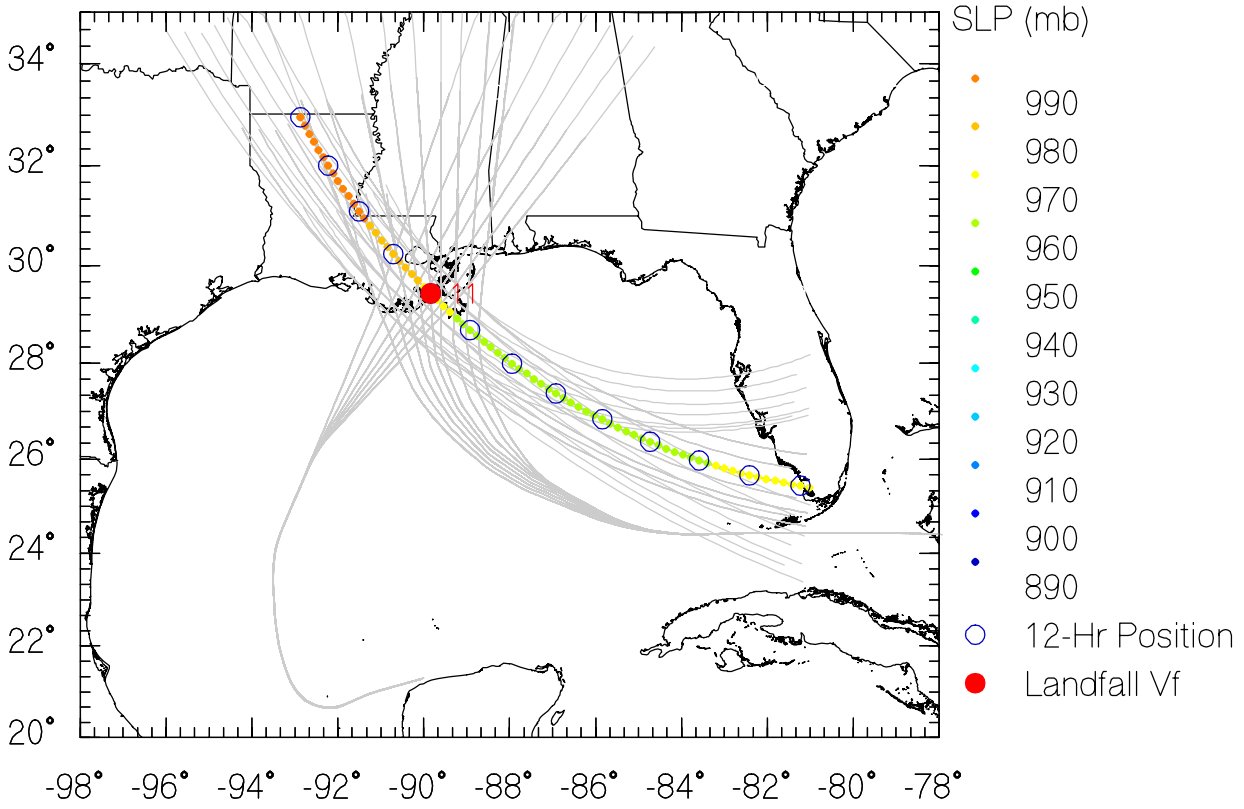

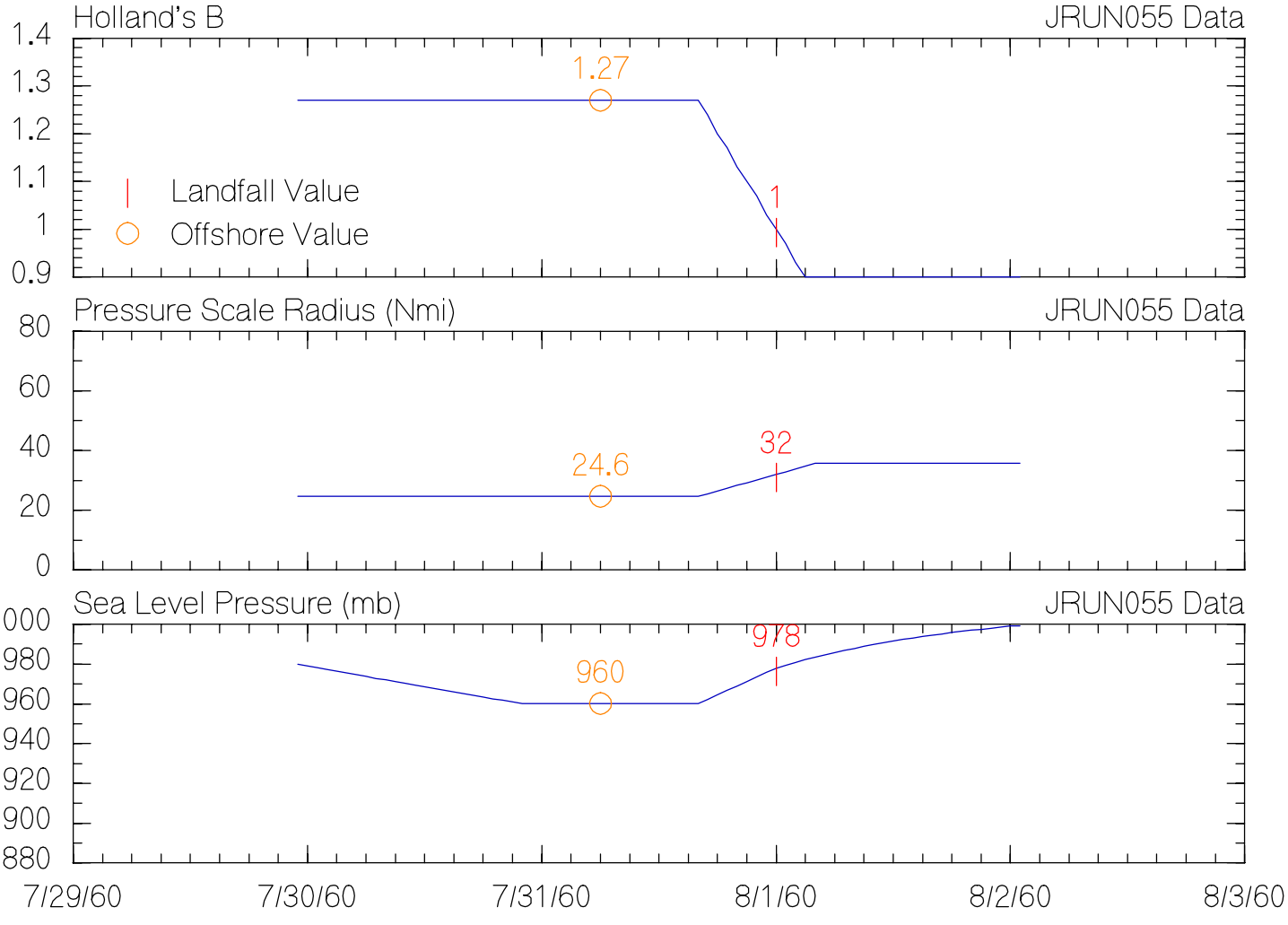

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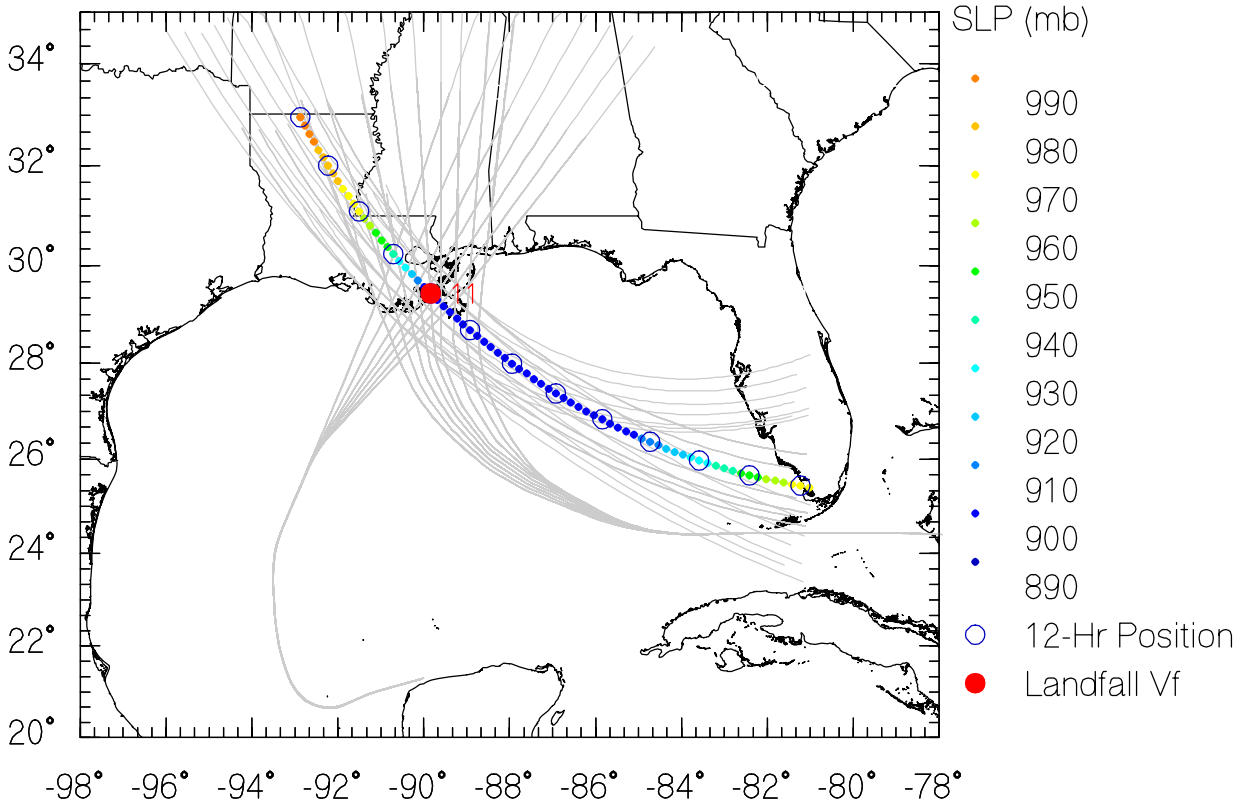

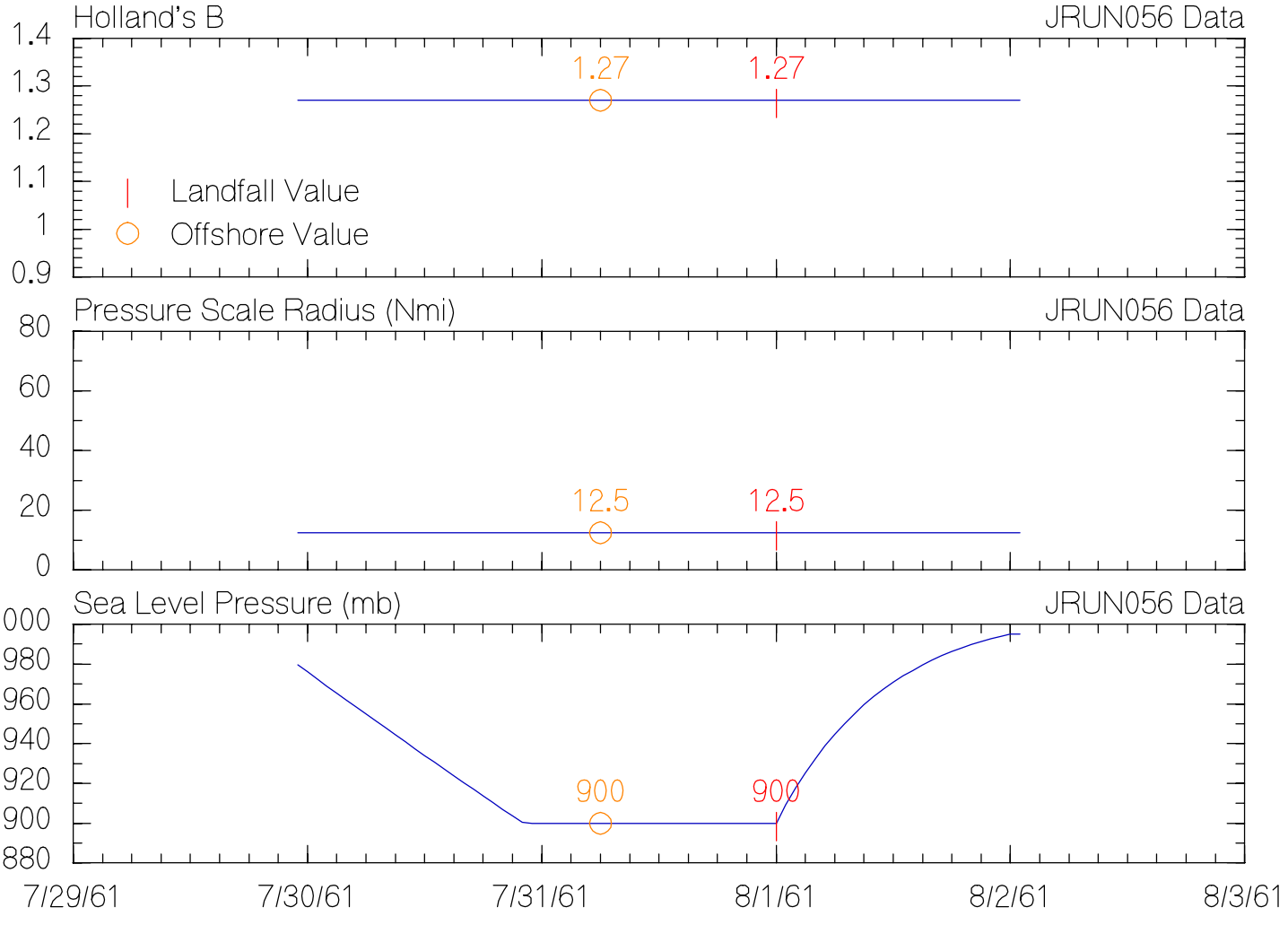

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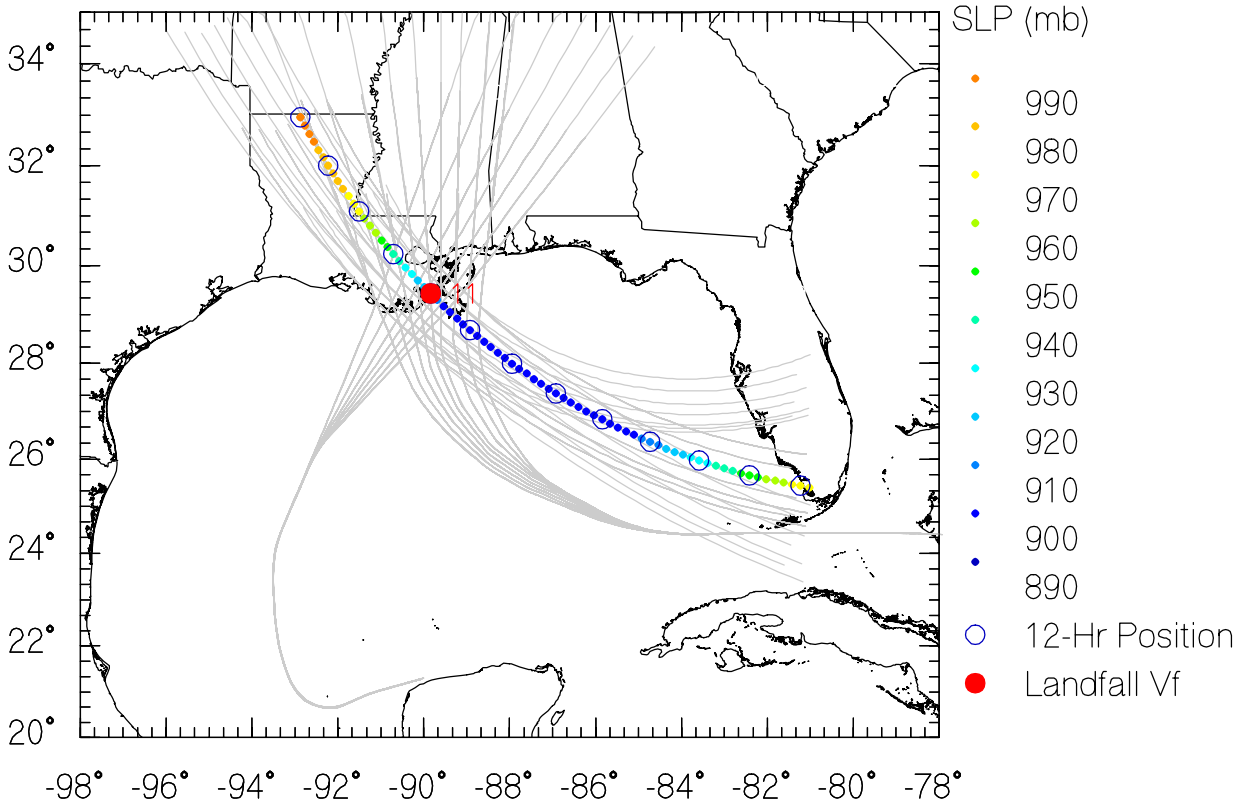

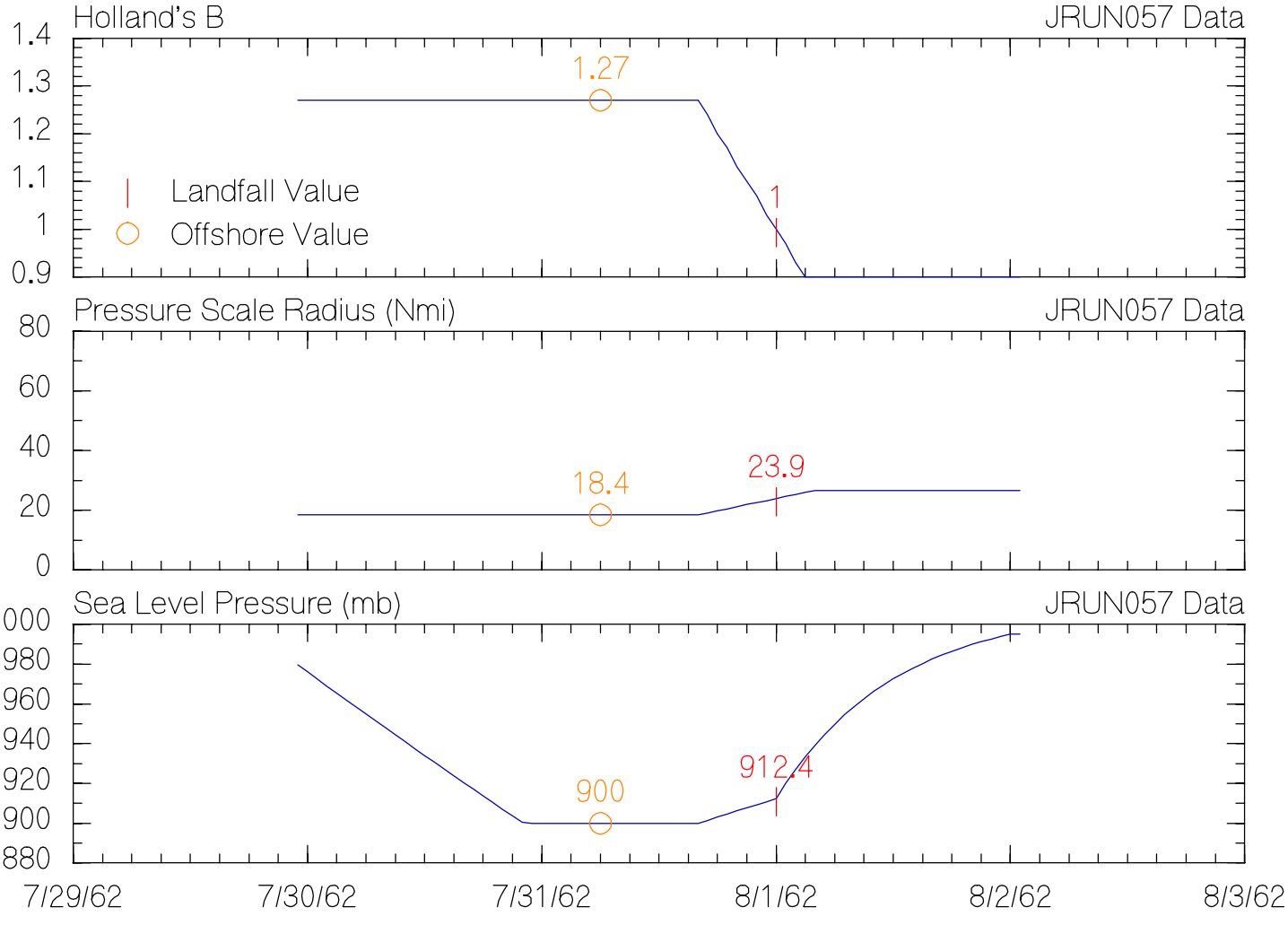

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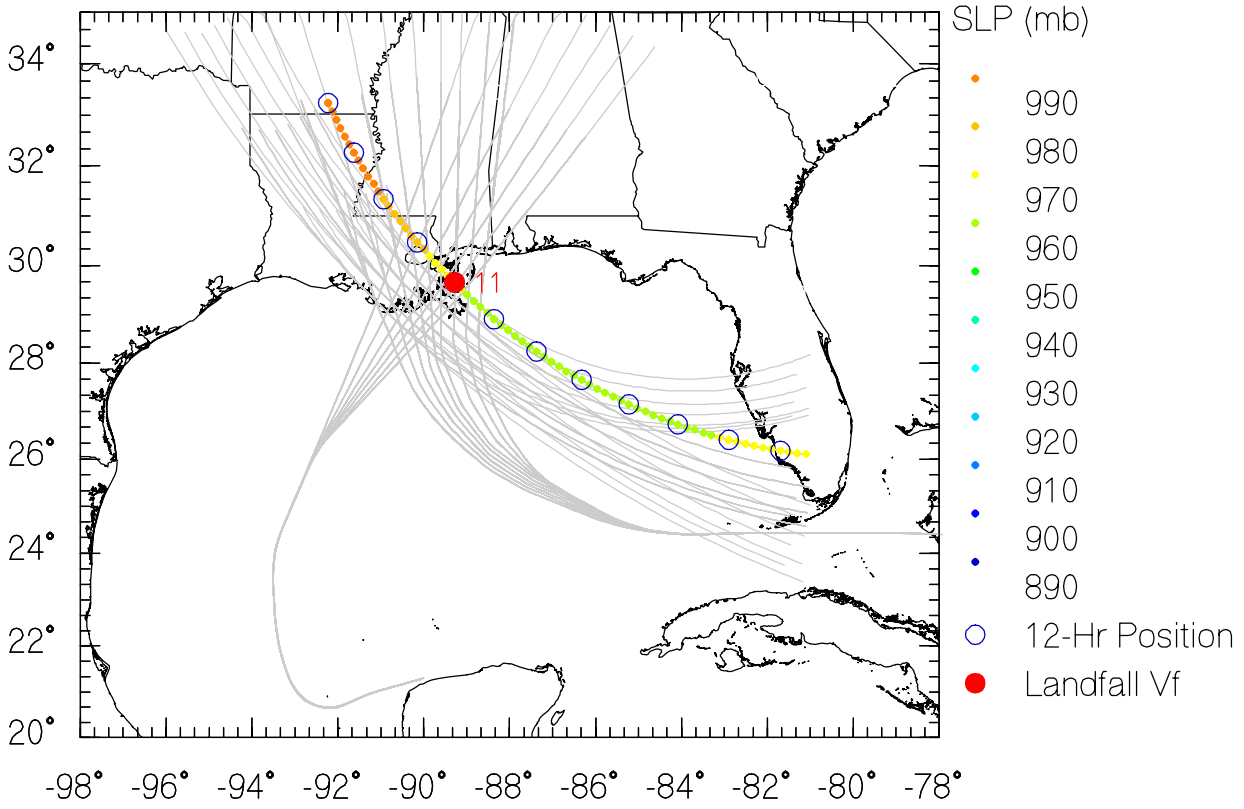
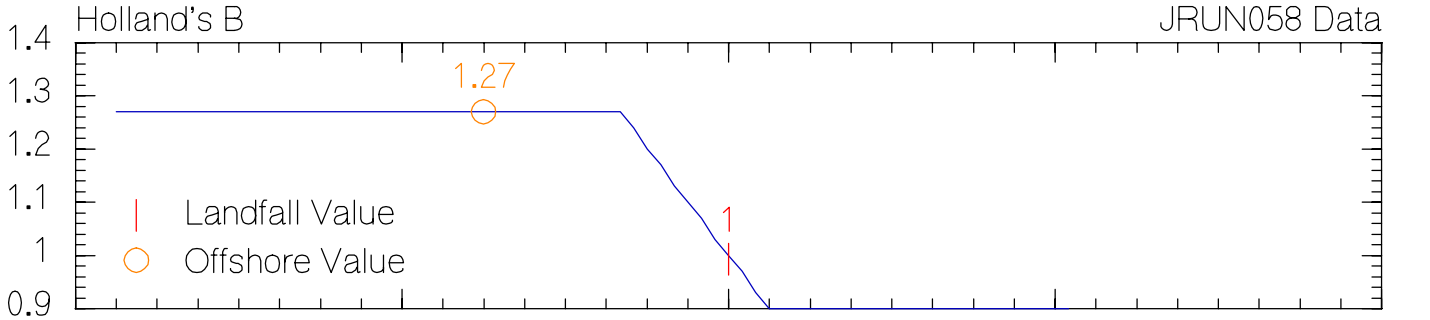
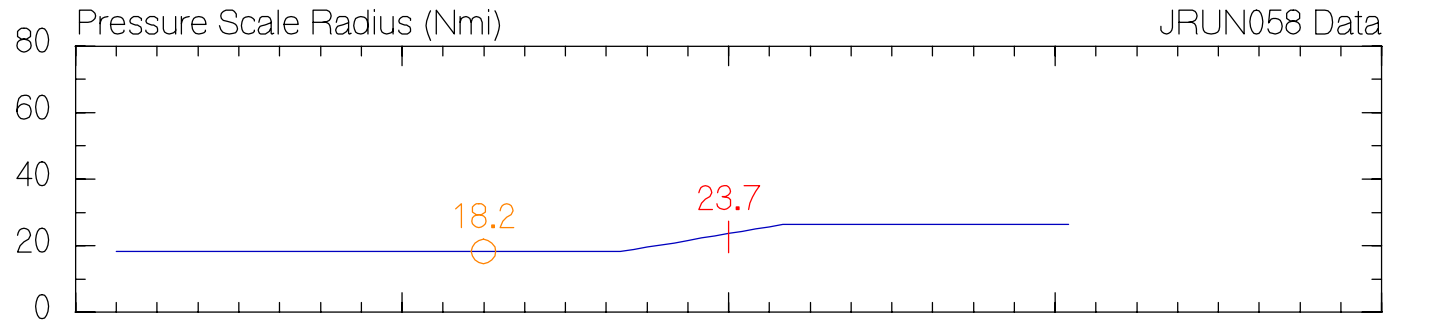
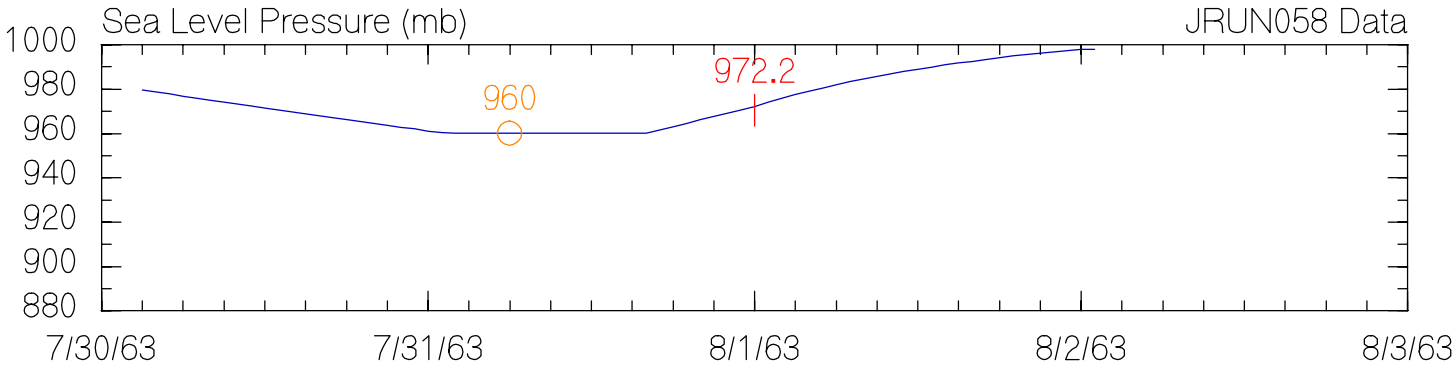
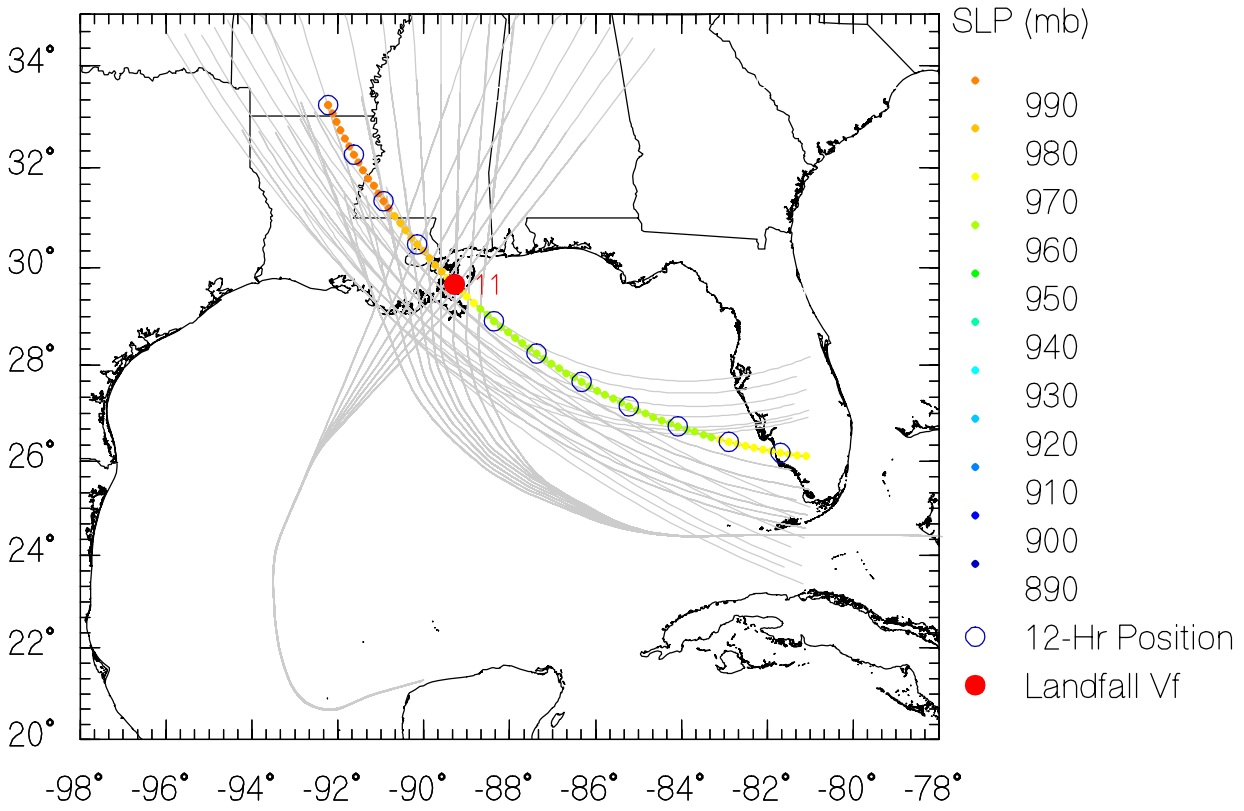


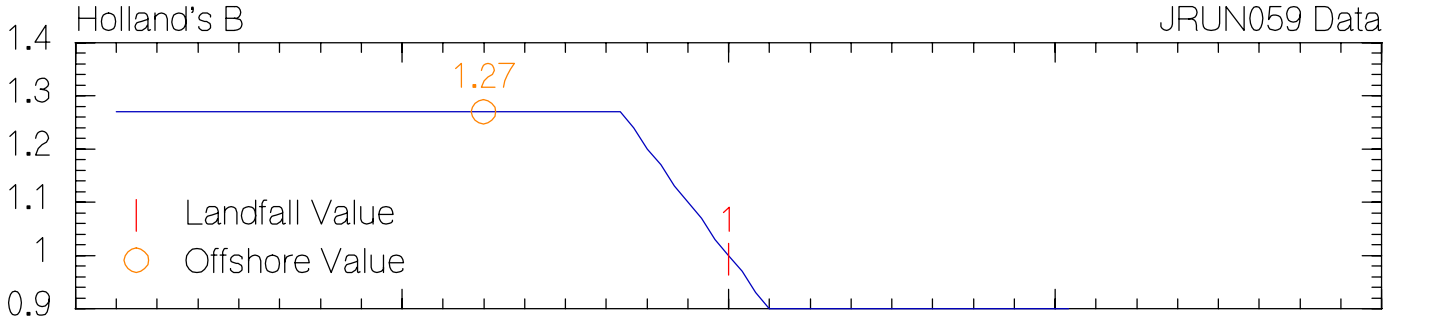


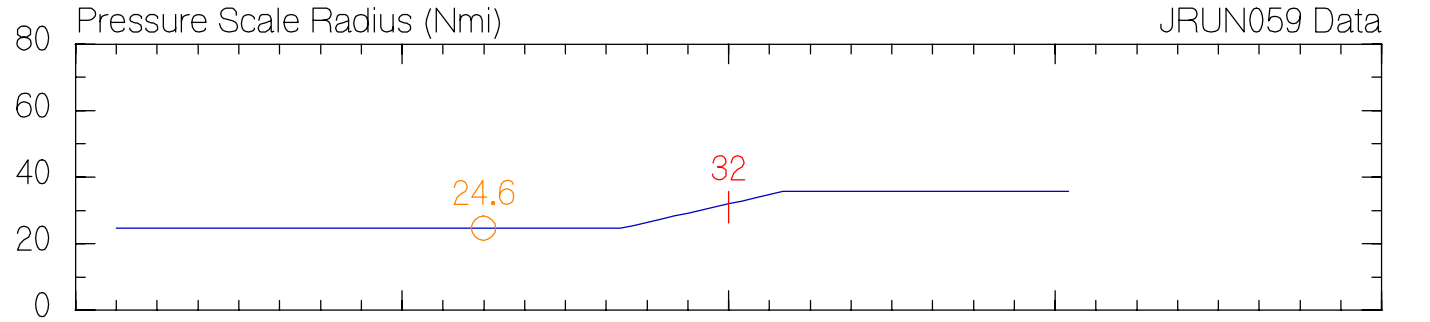


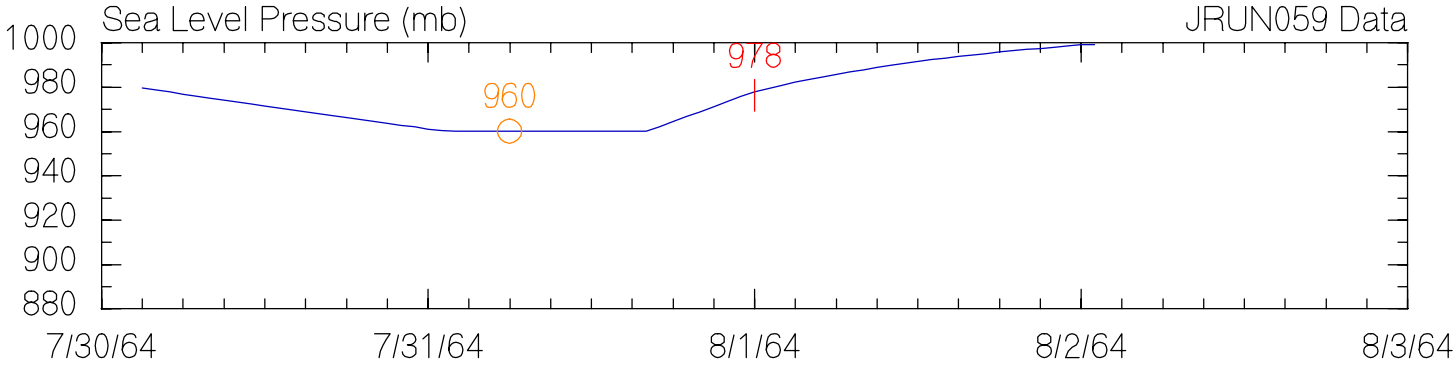


JRUN059 Data









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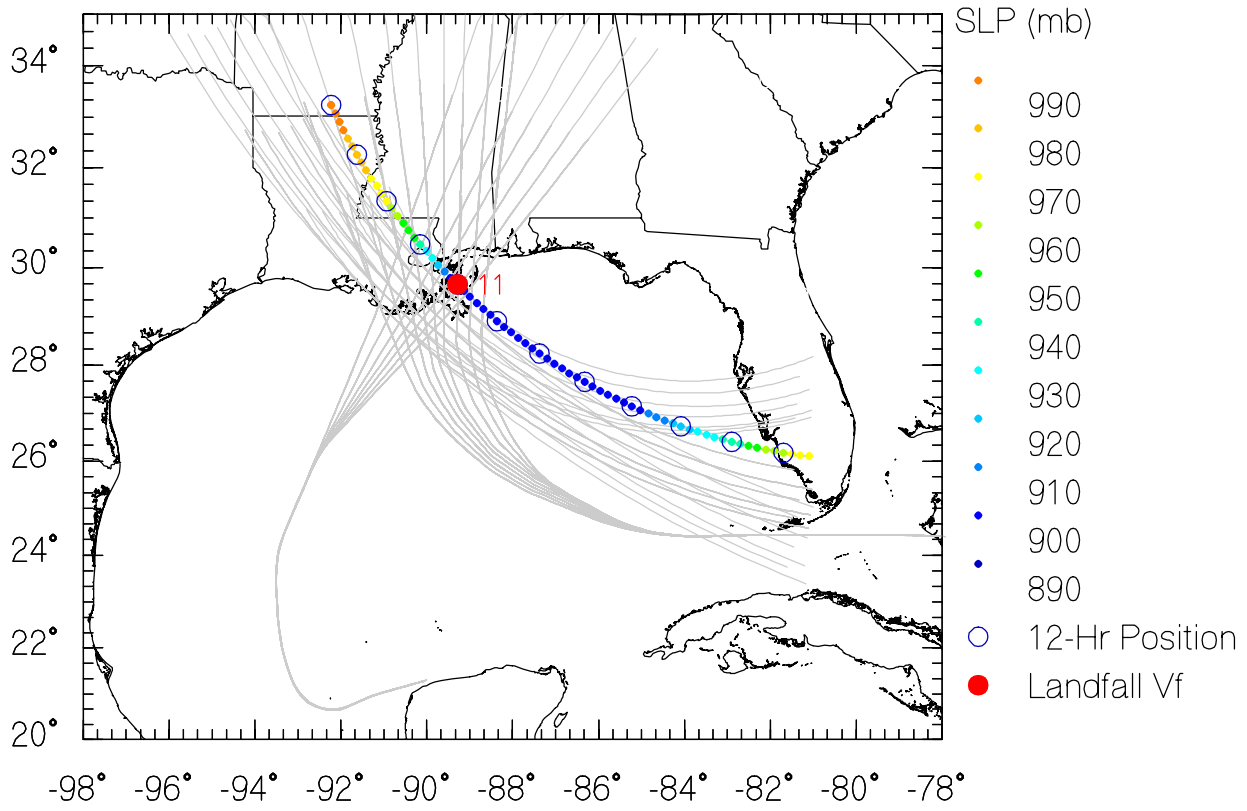

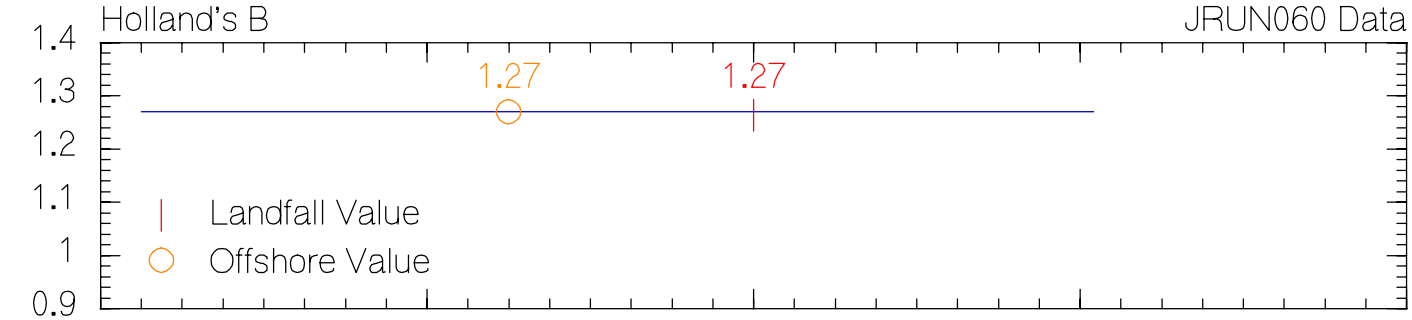

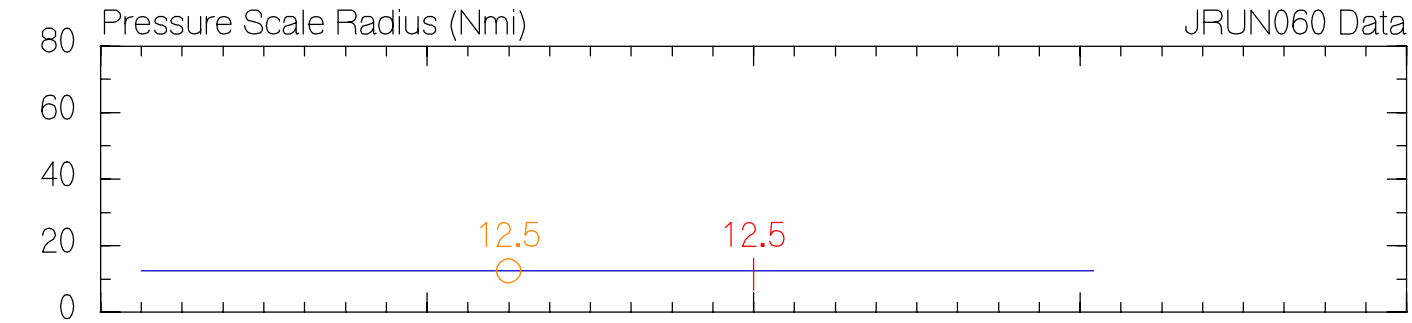

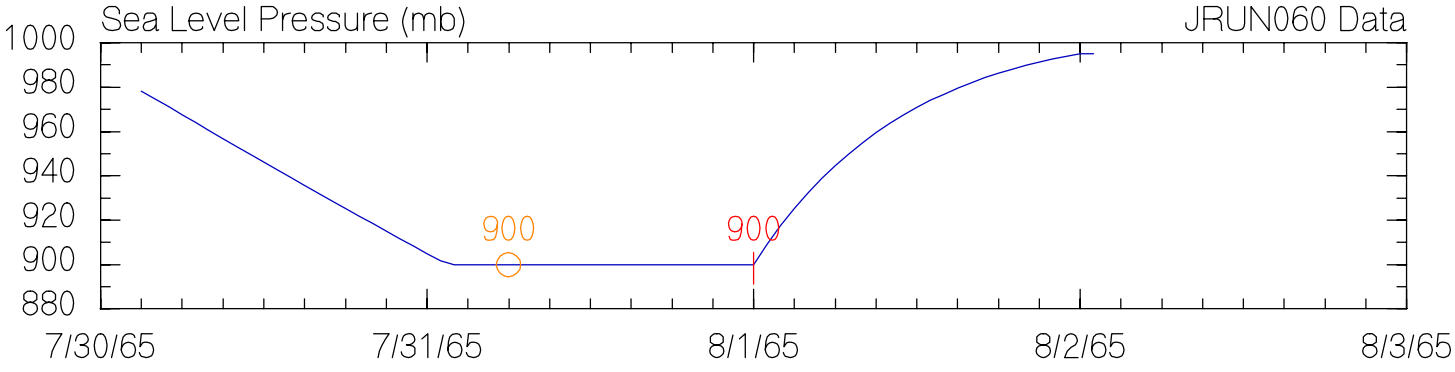

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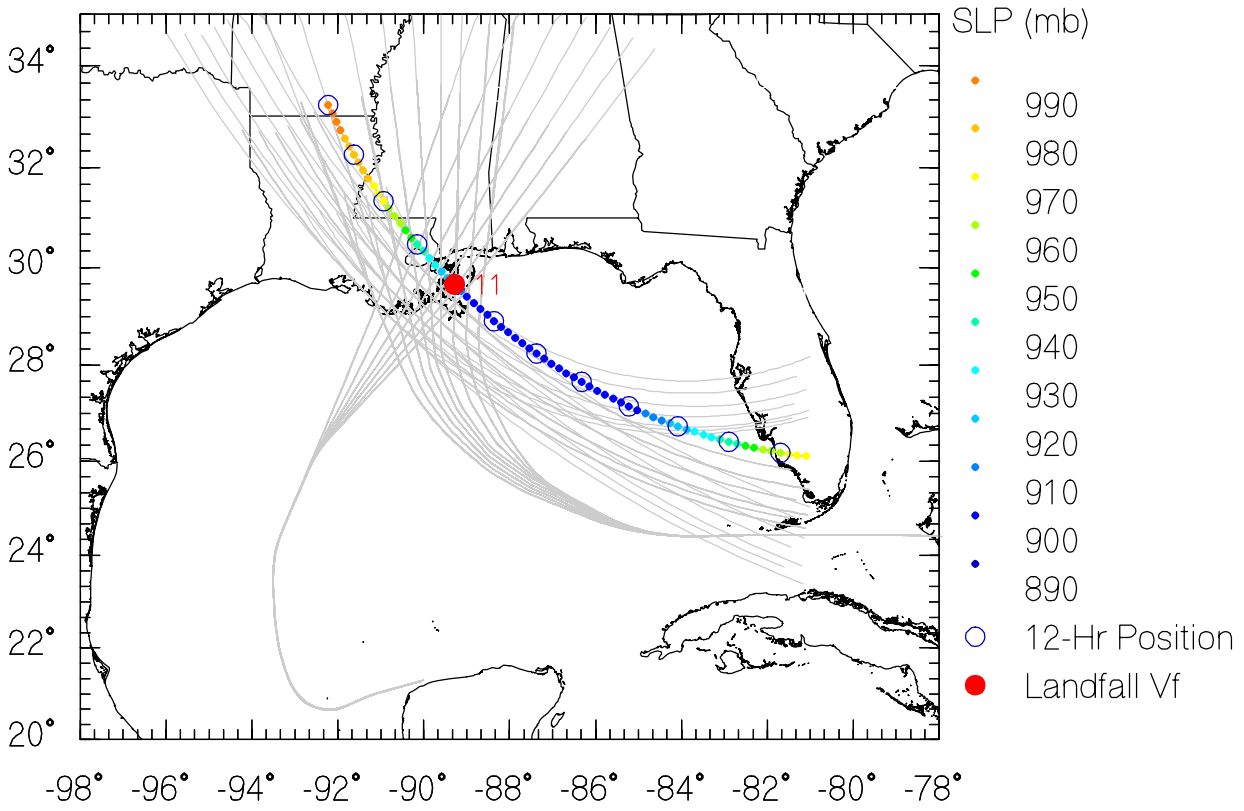

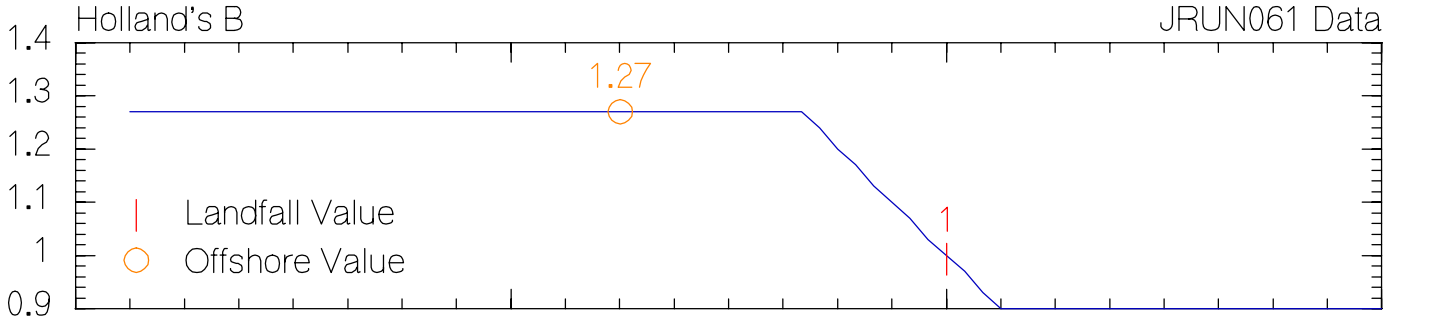

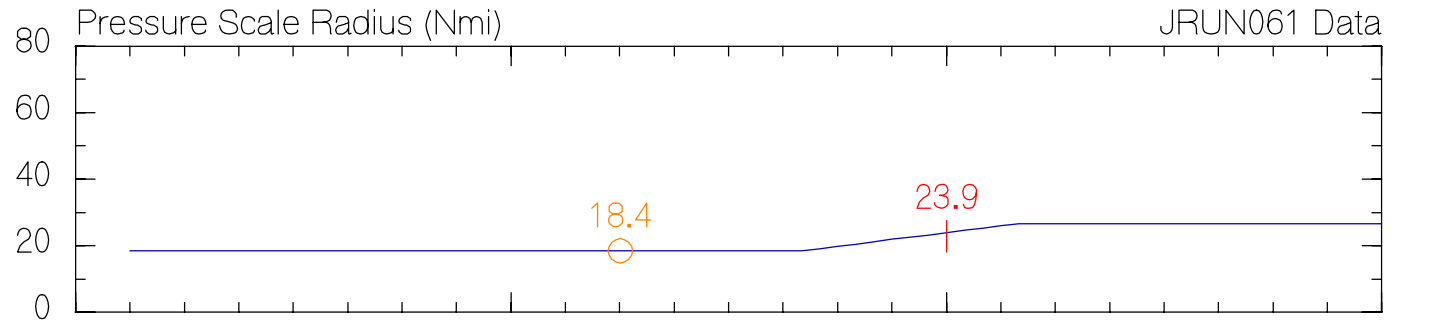

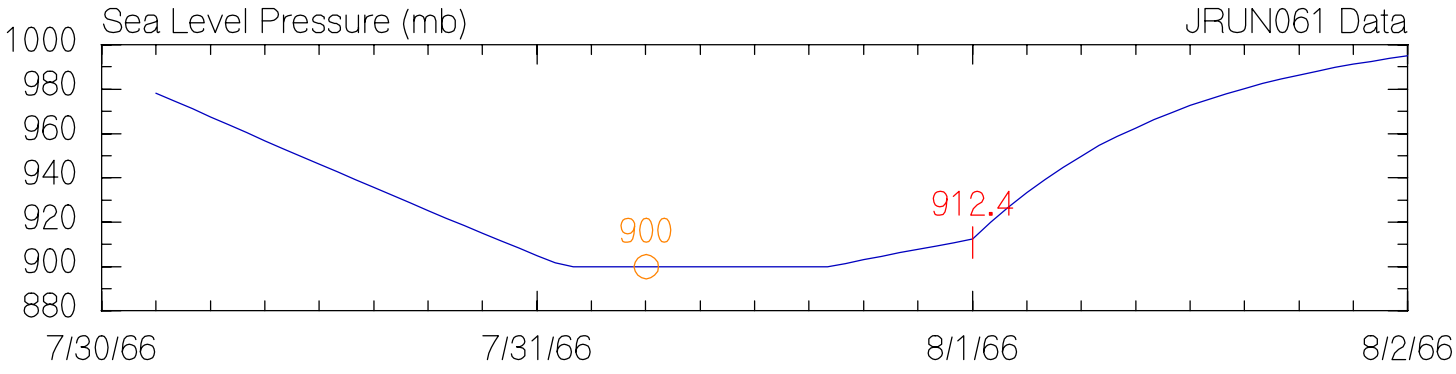

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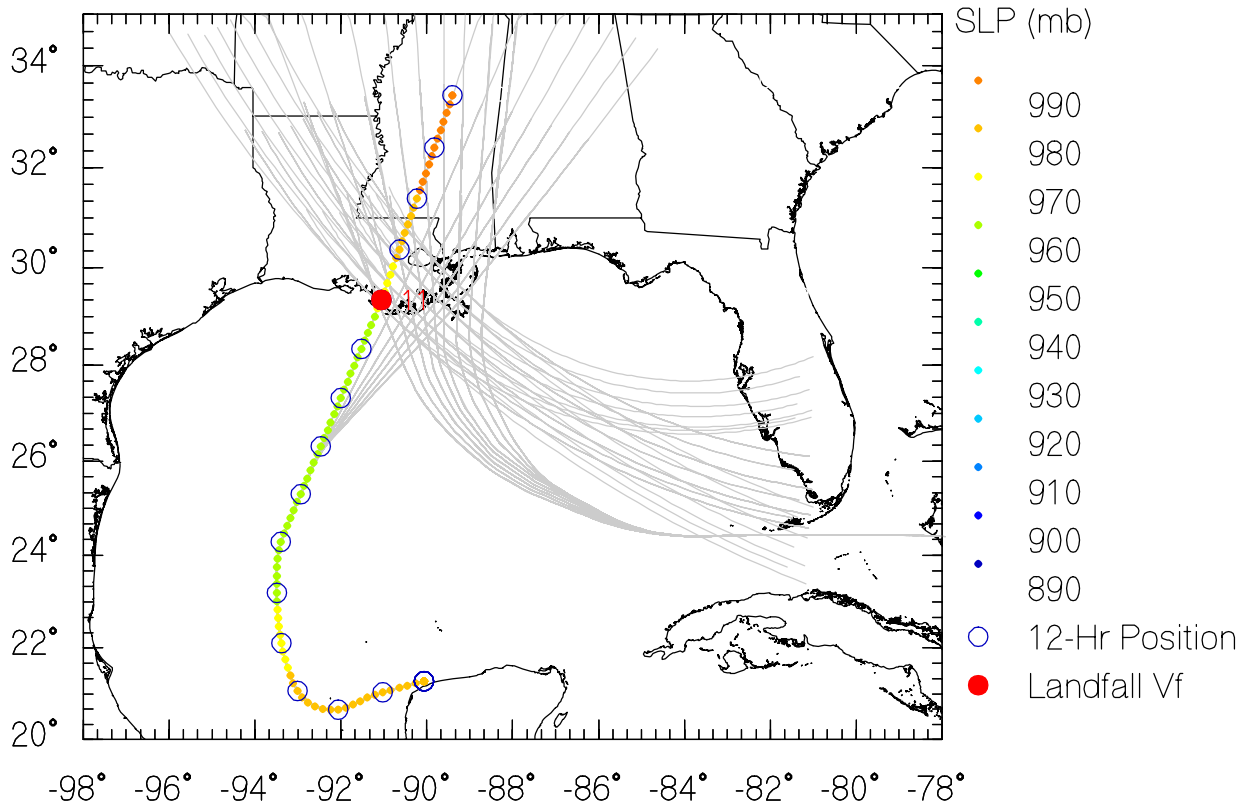

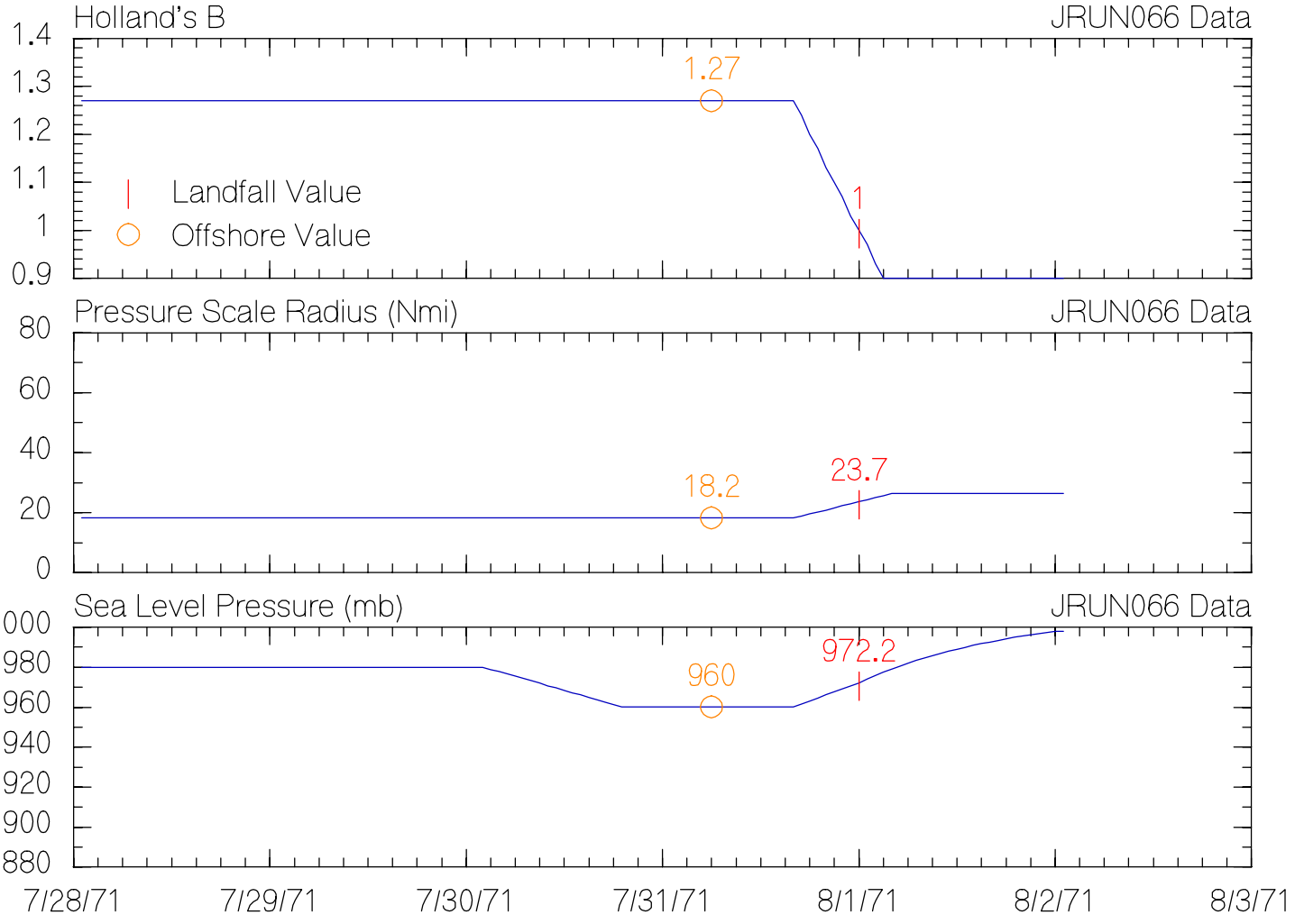

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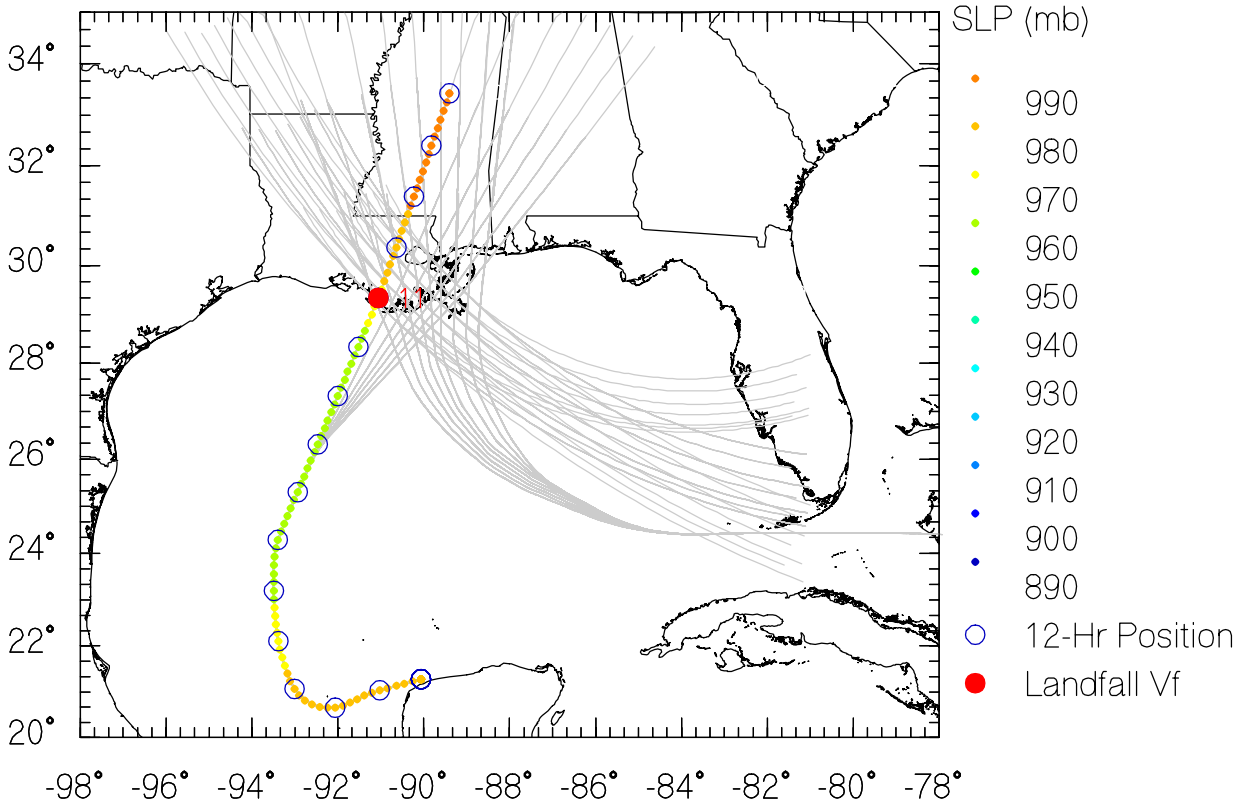

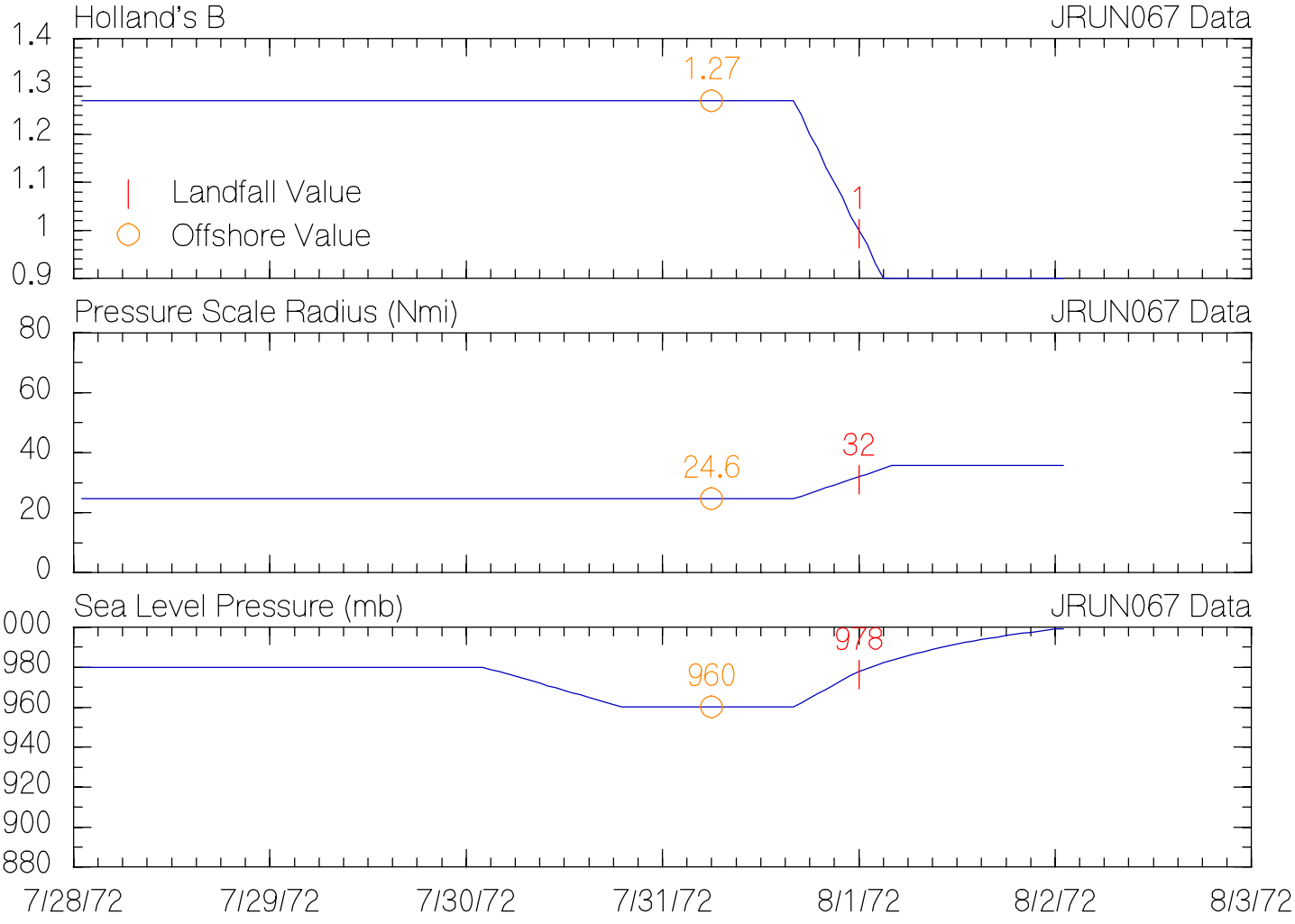

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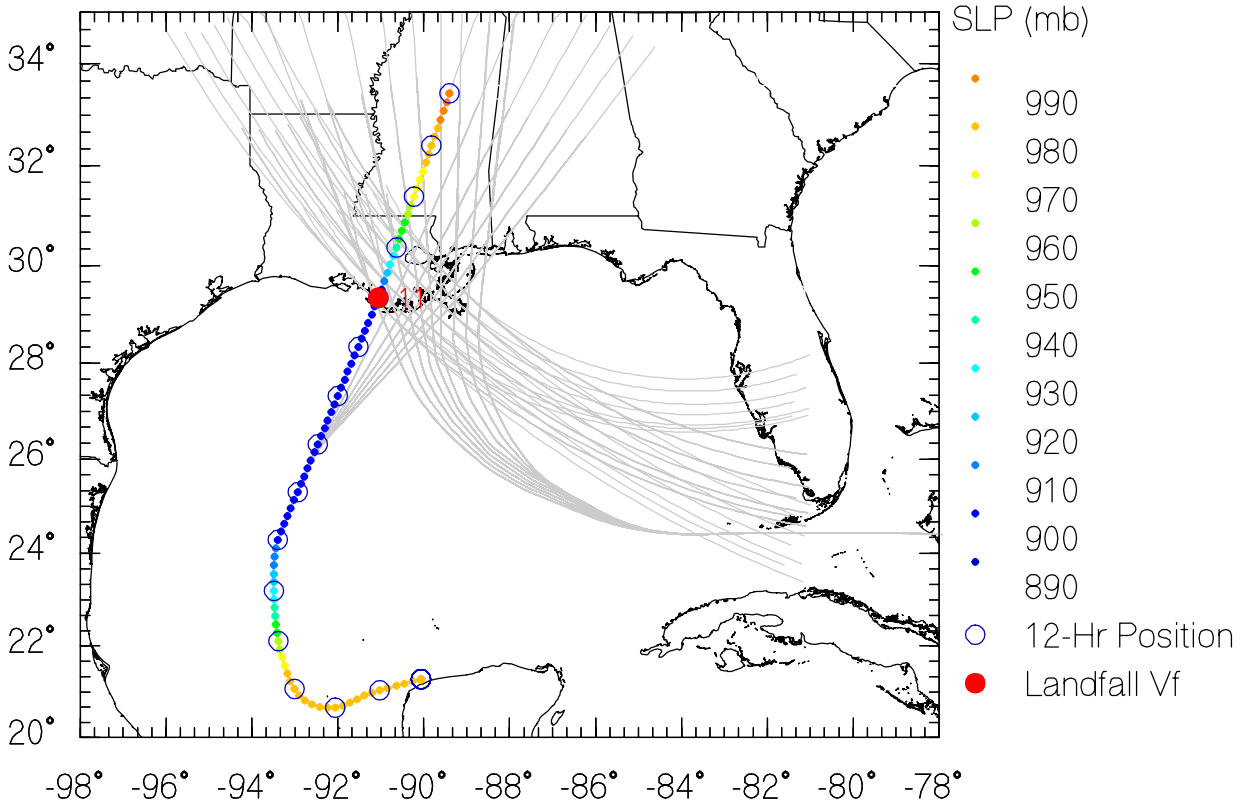

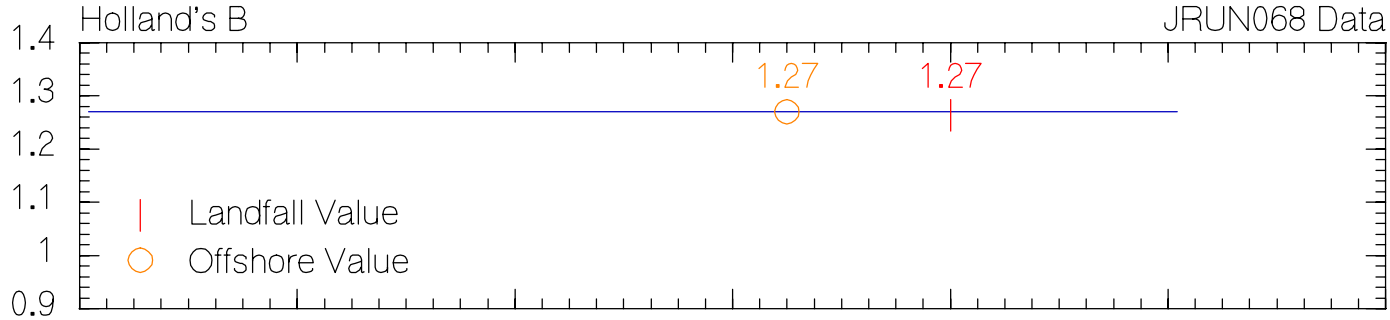

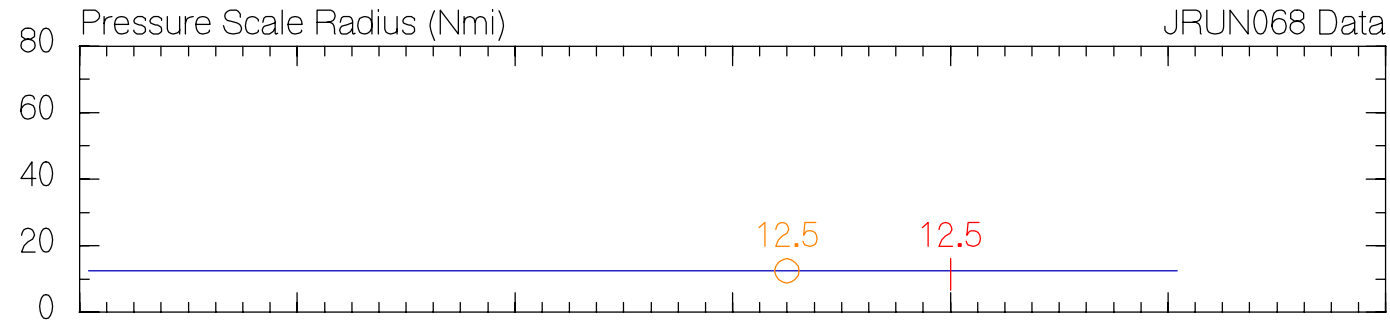

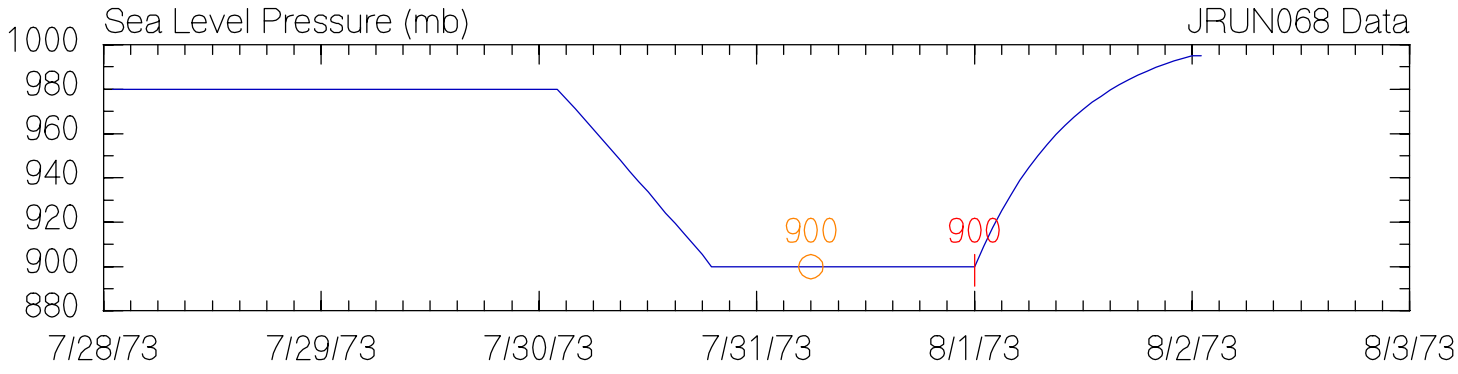

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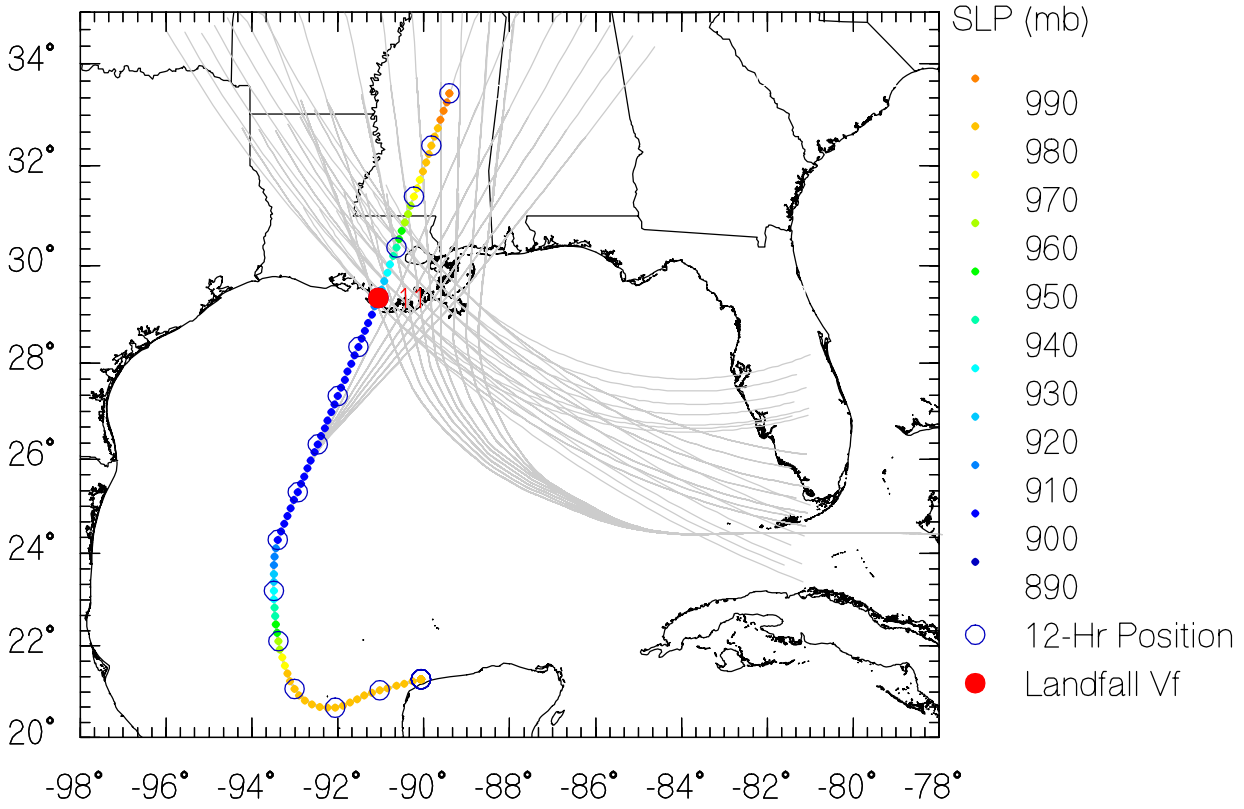

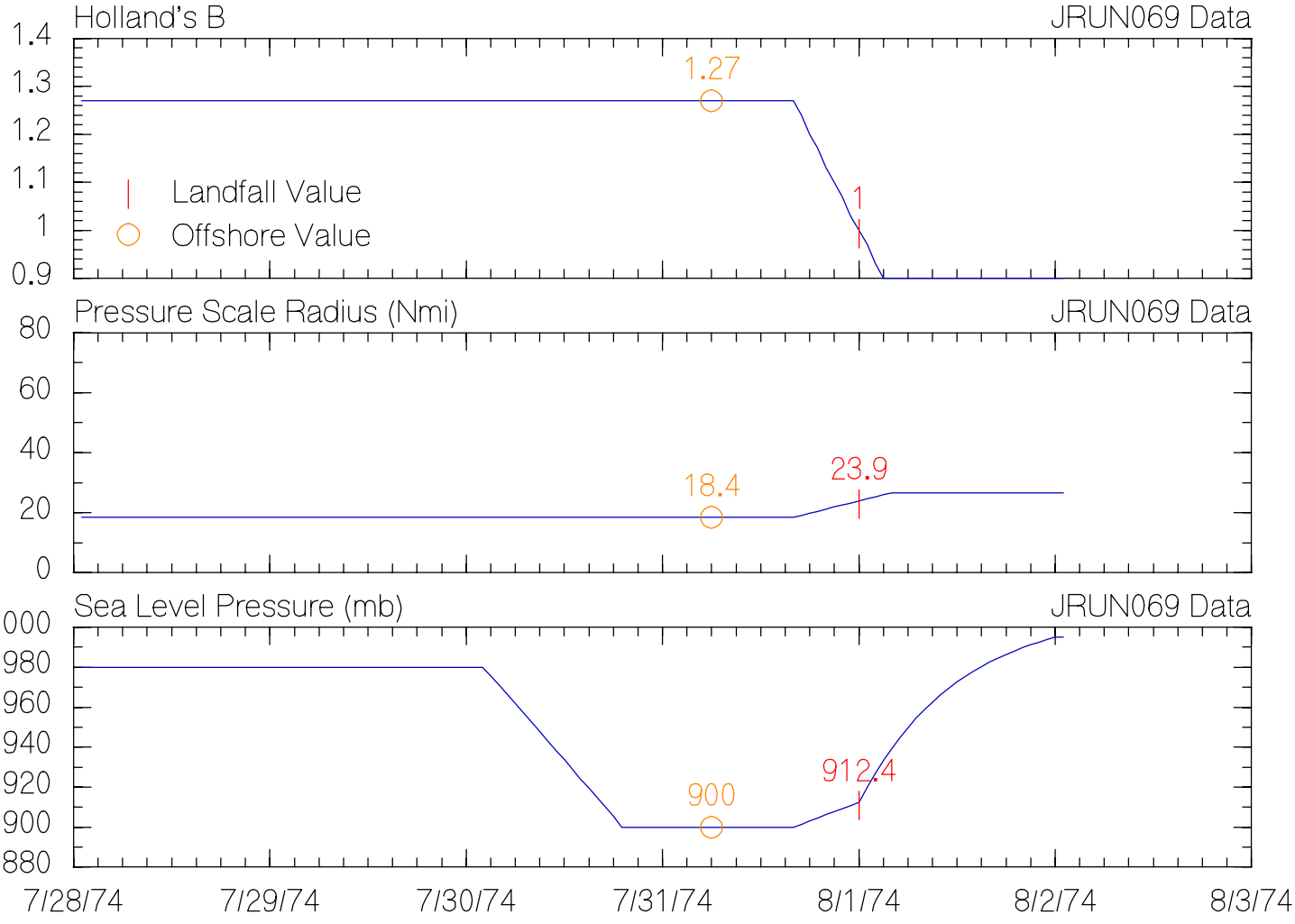

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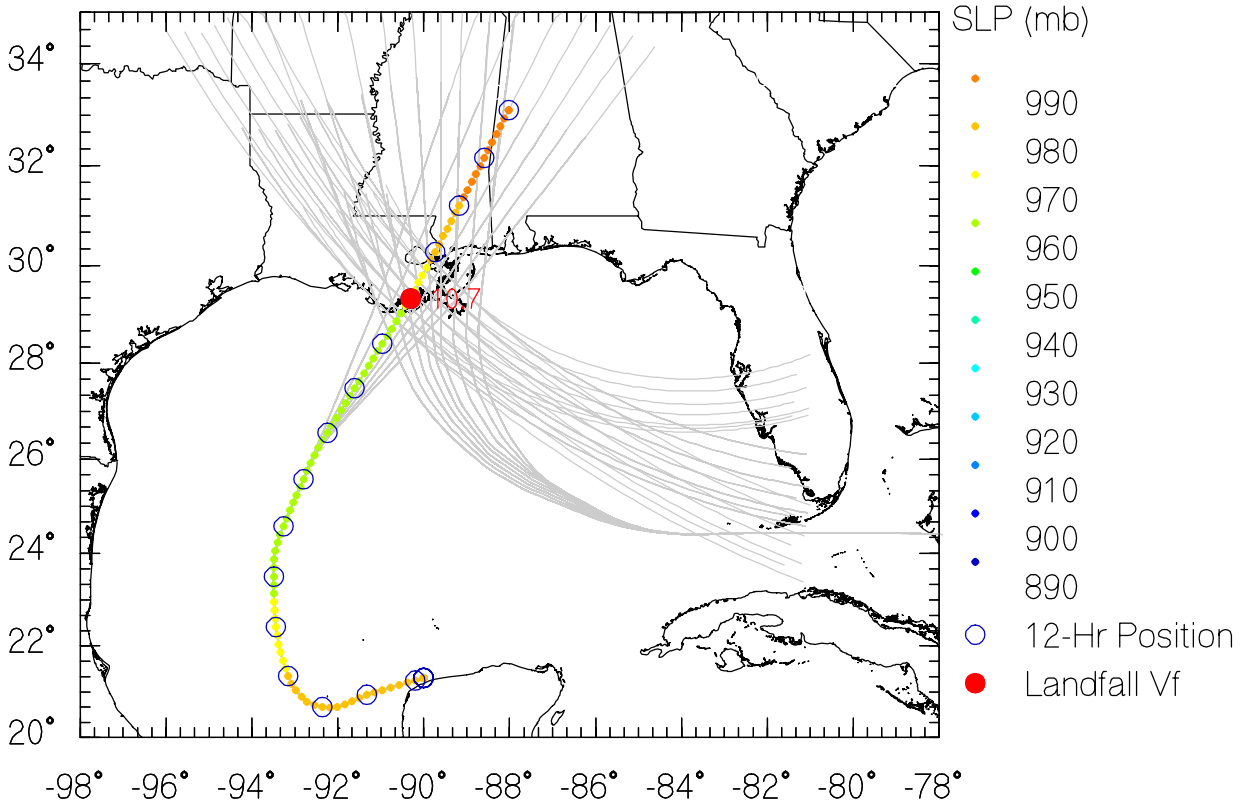

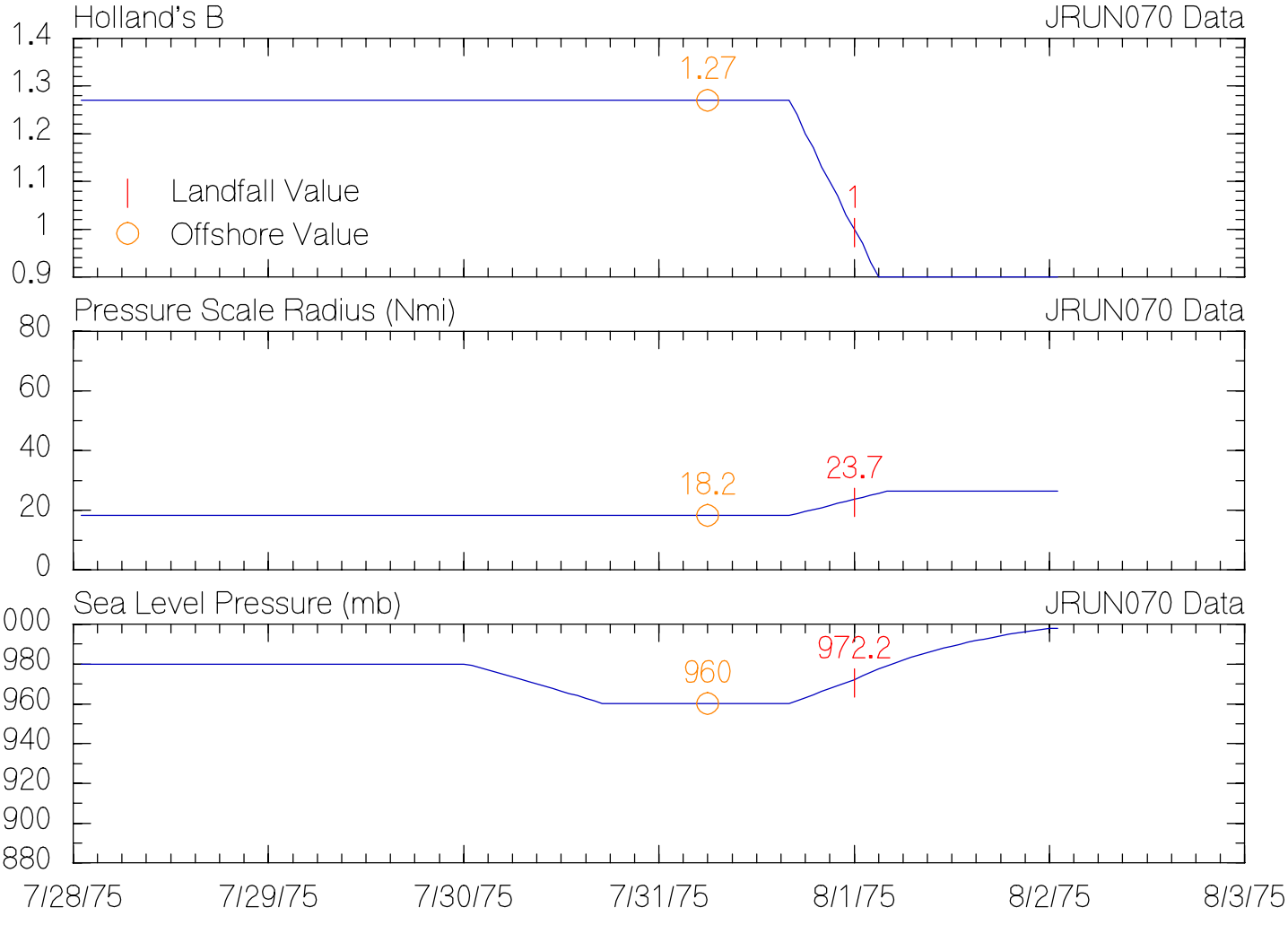

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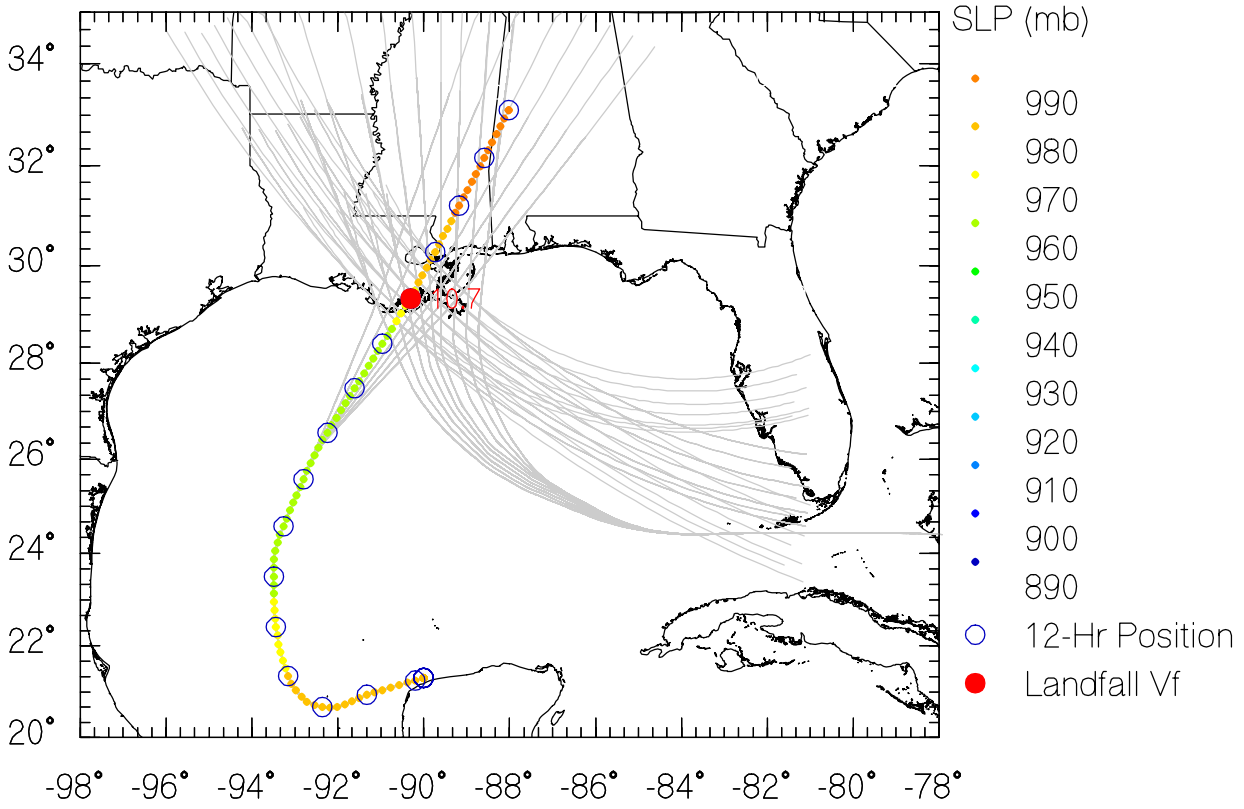

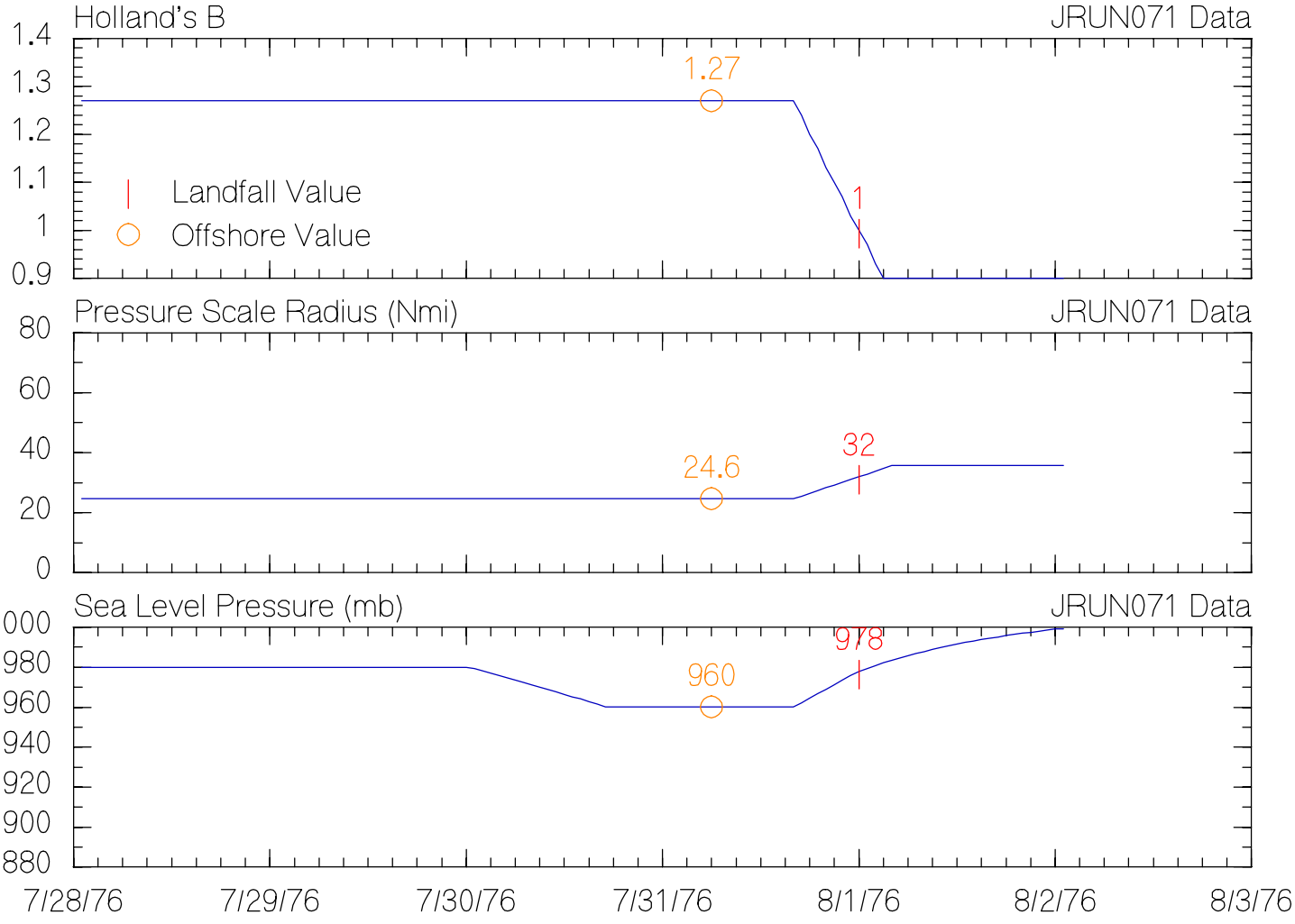

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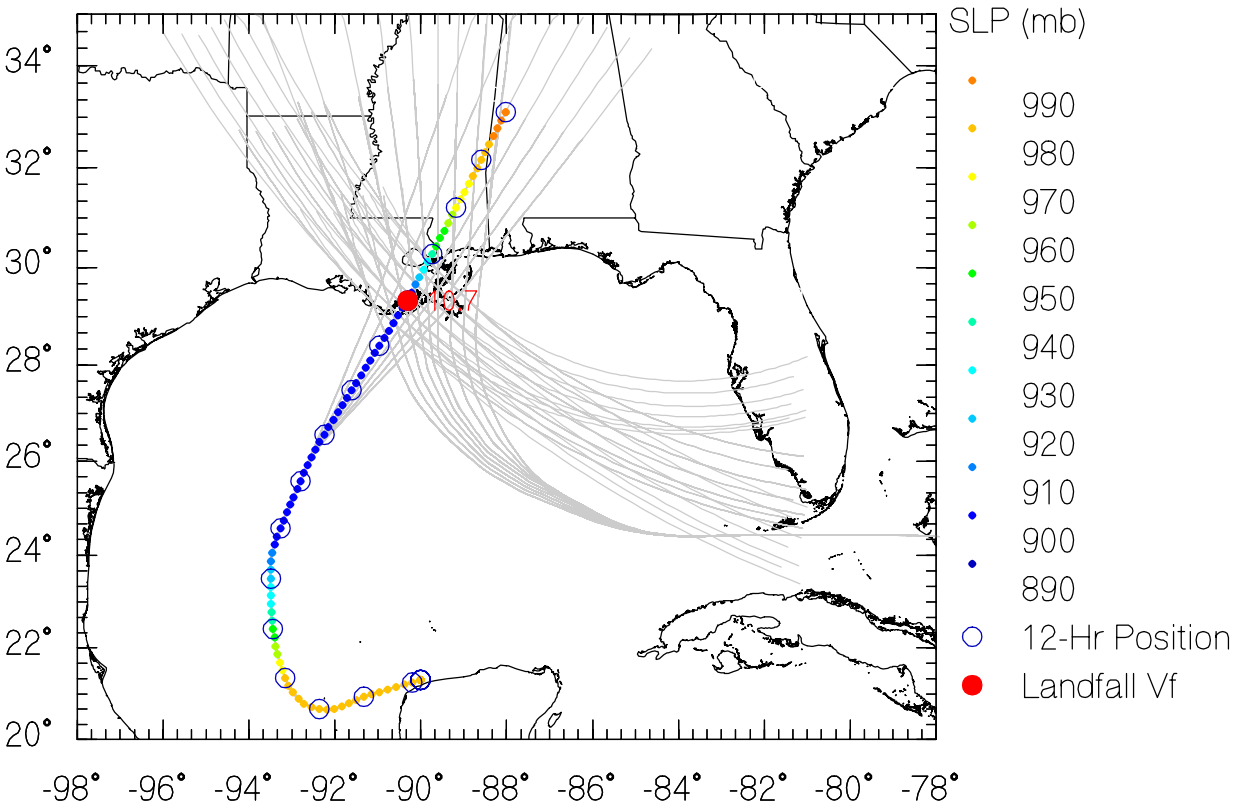

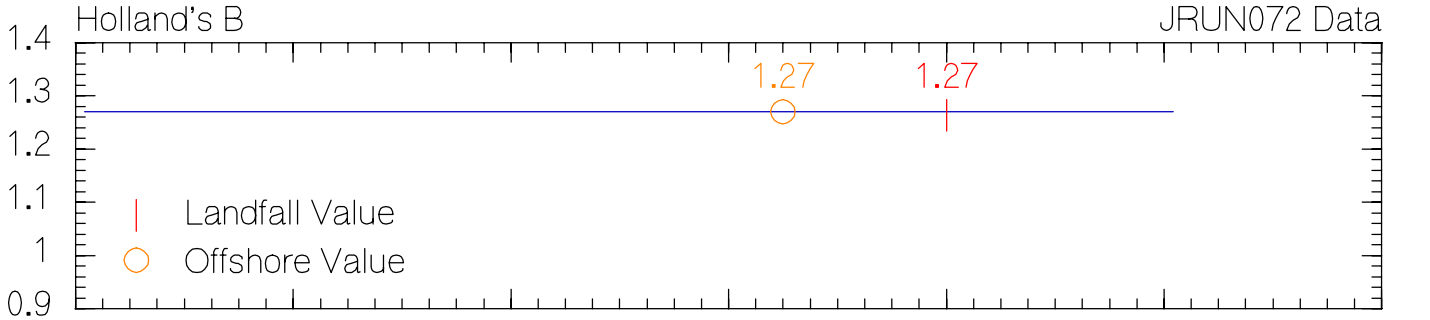

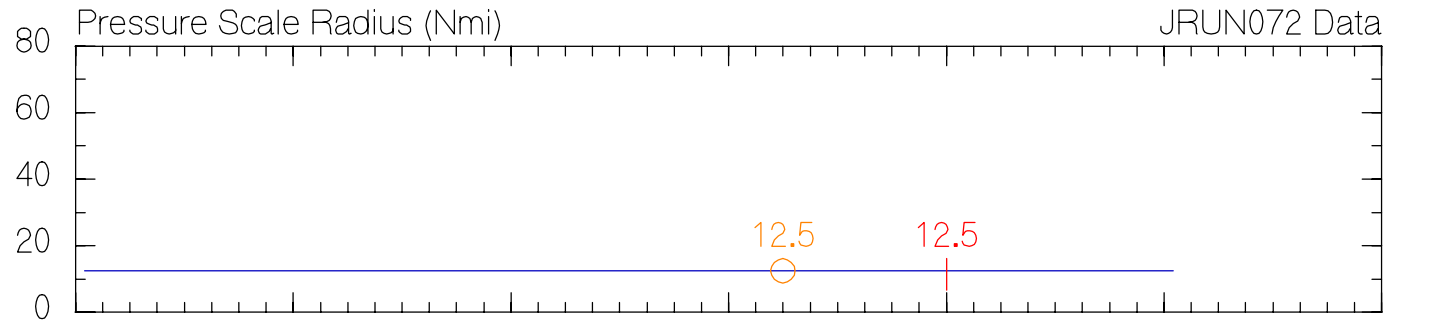

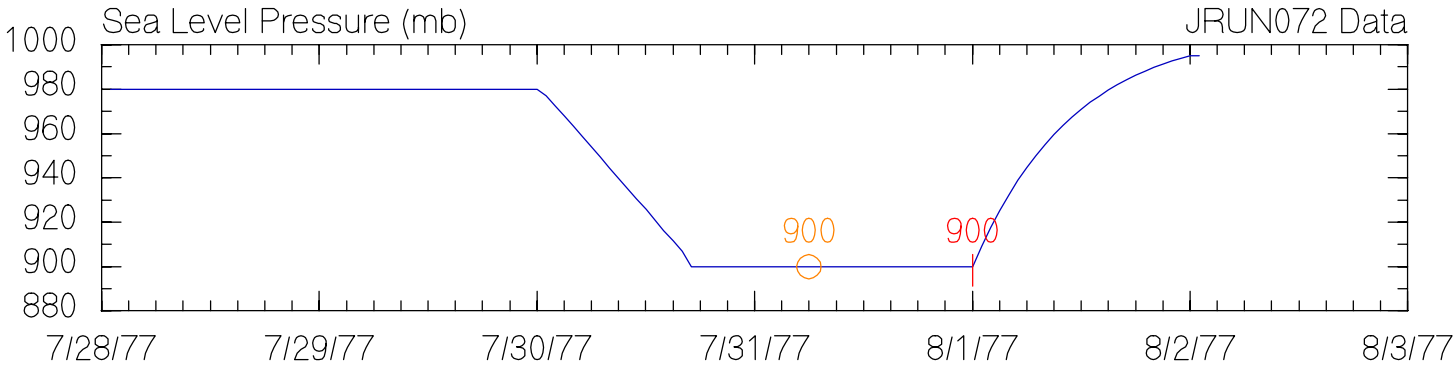

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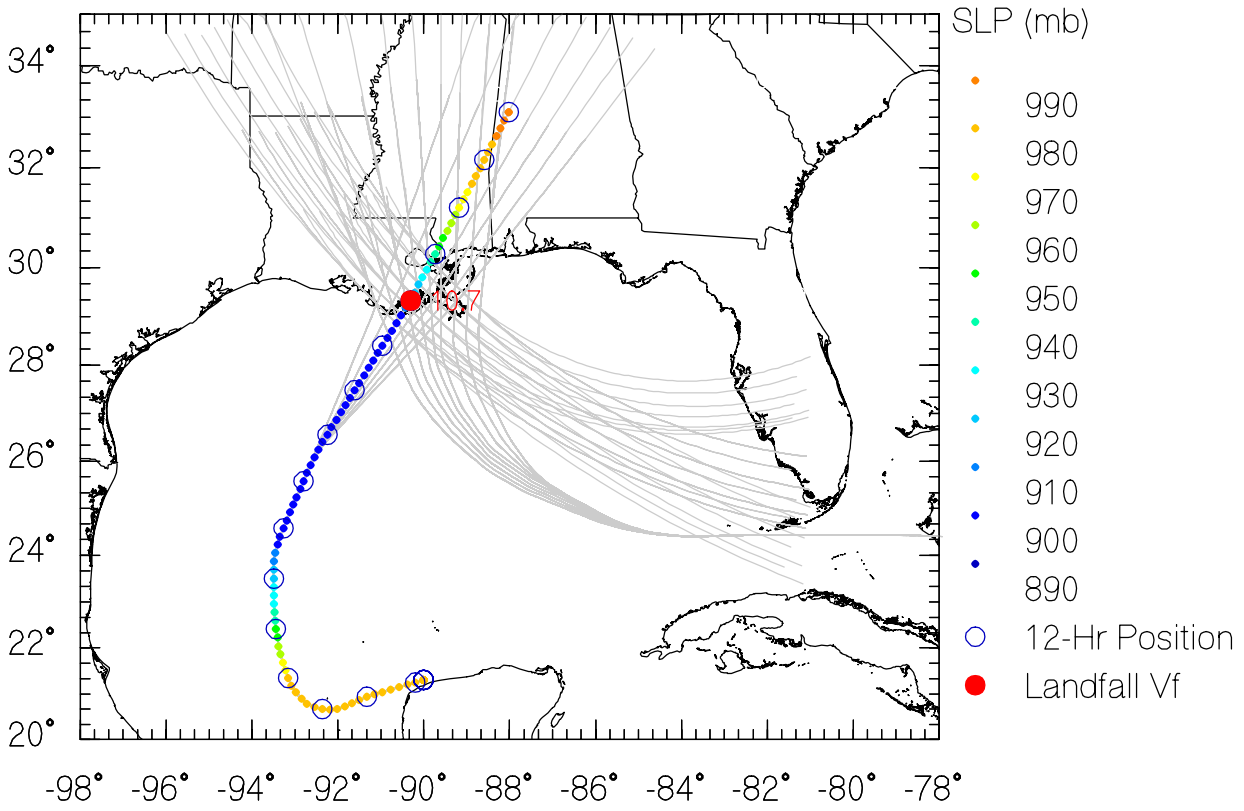

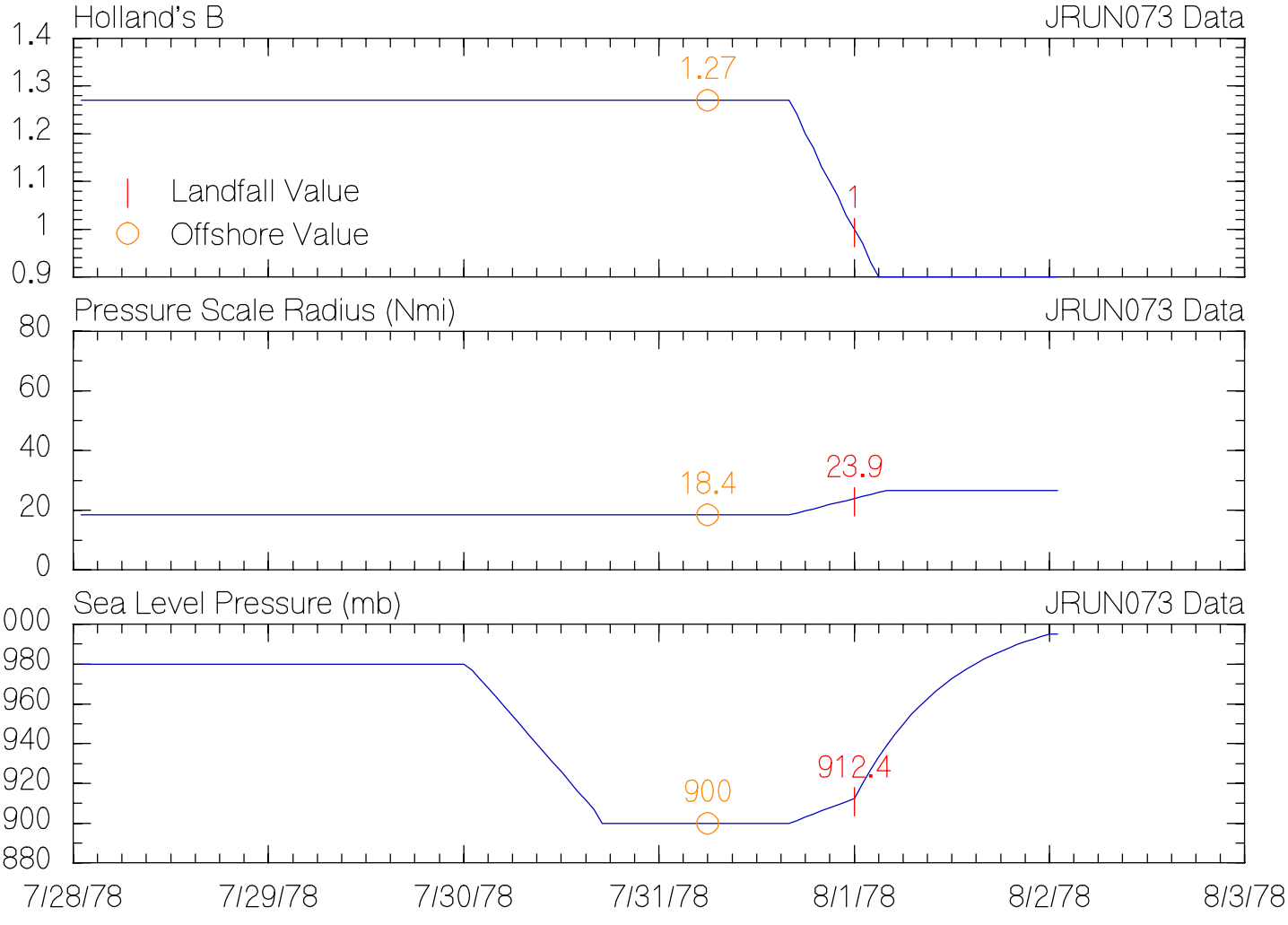

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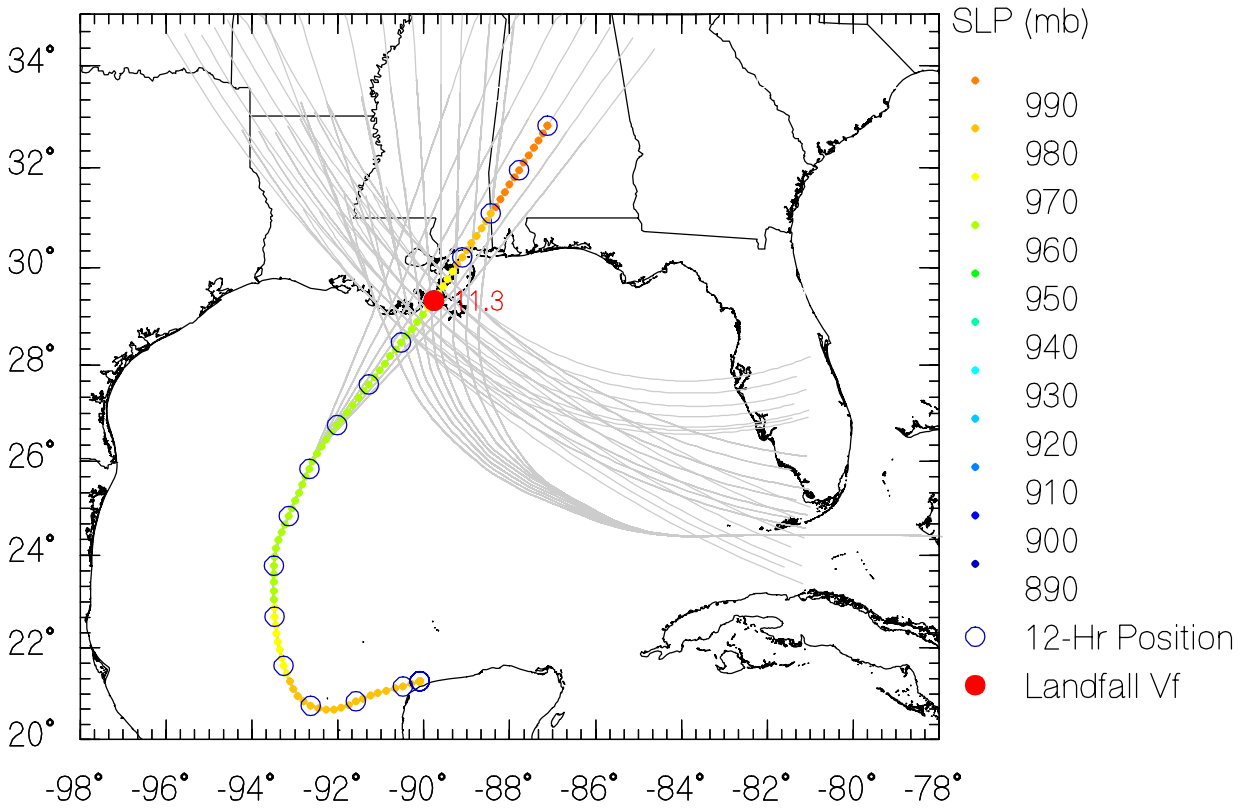

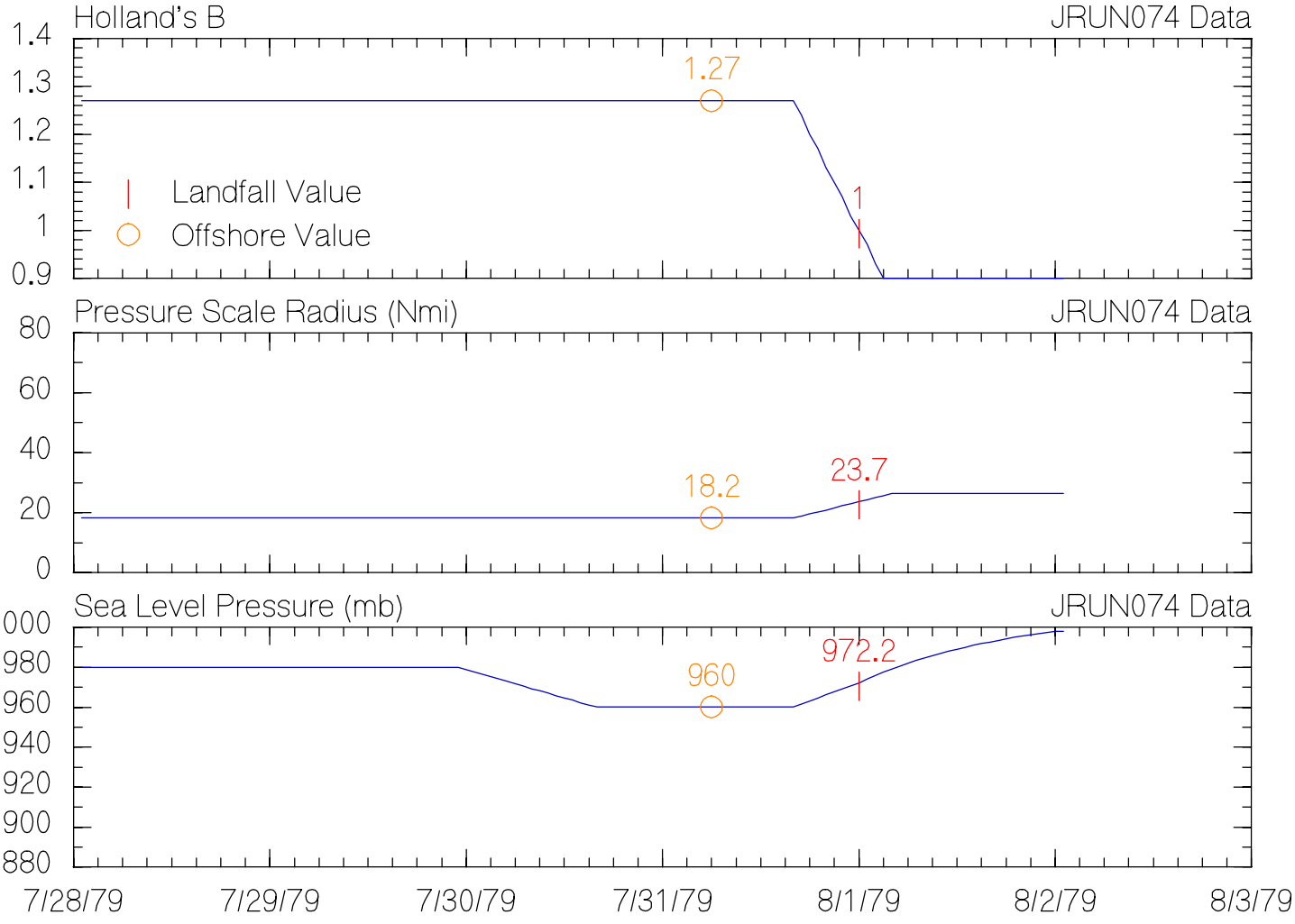

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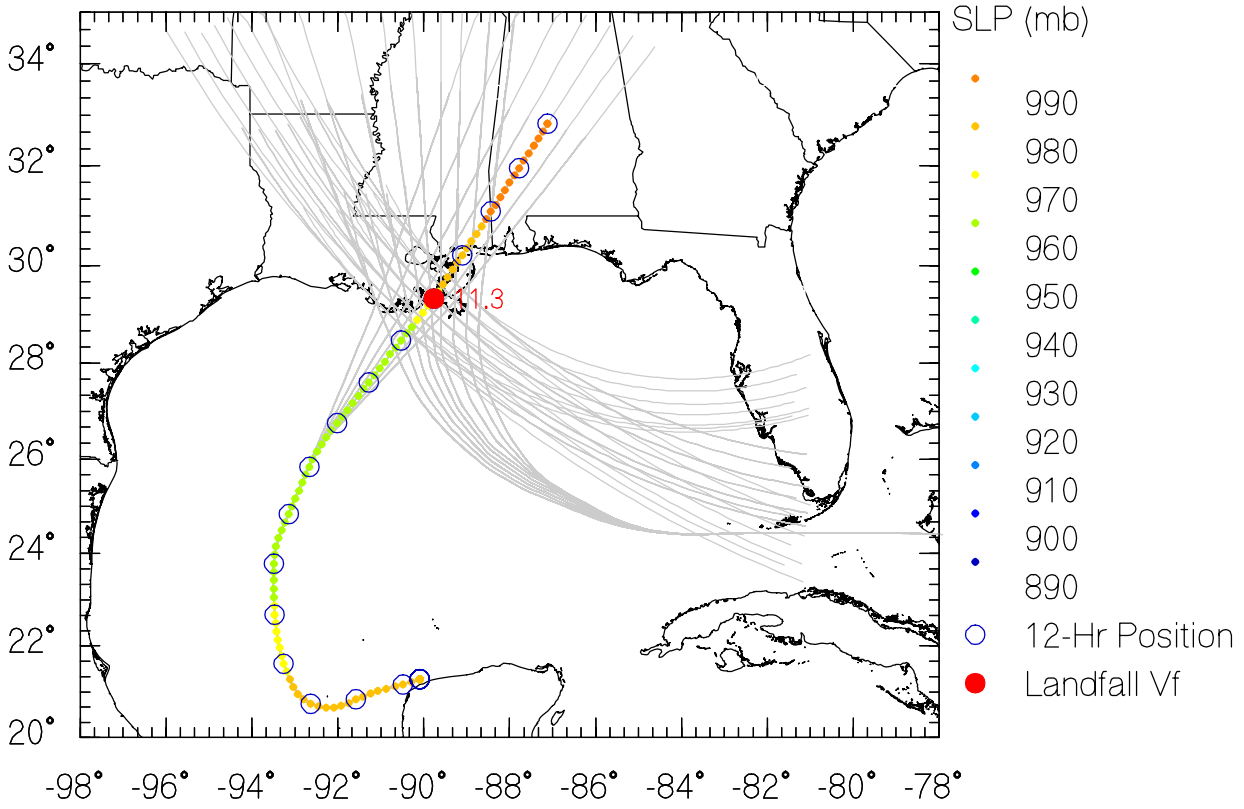

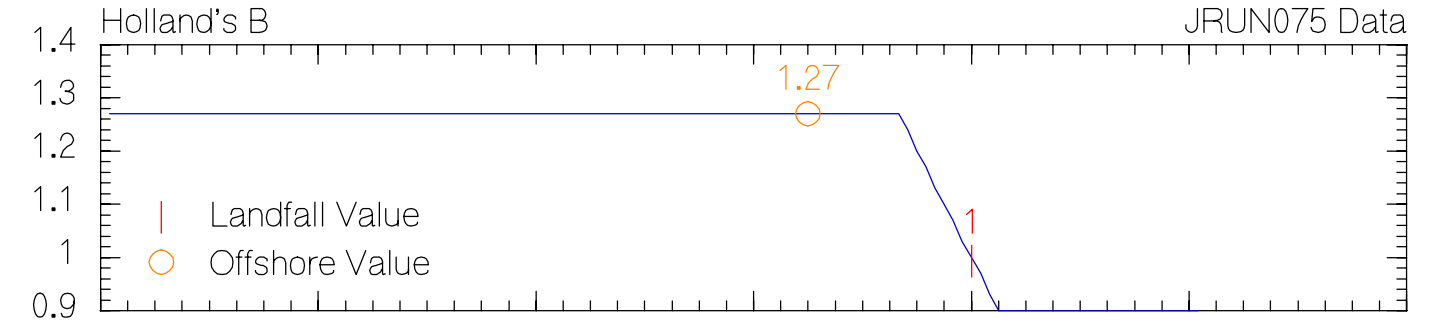

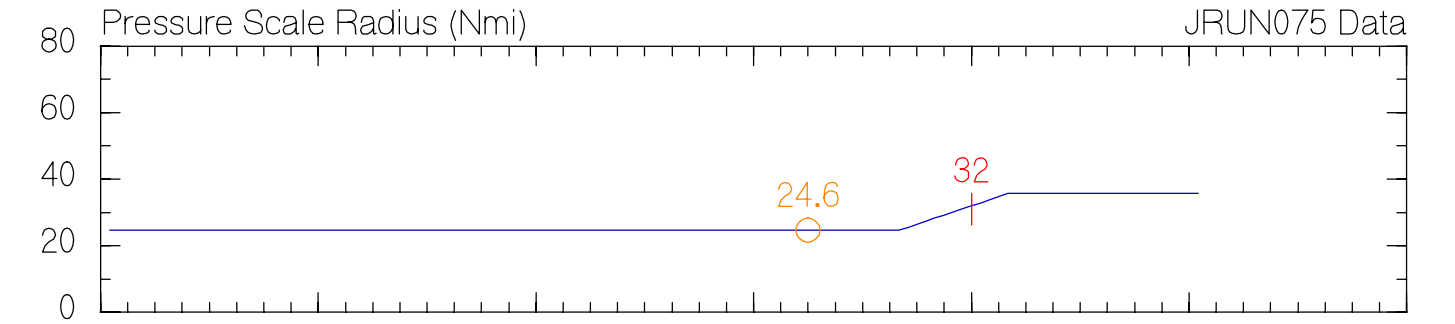

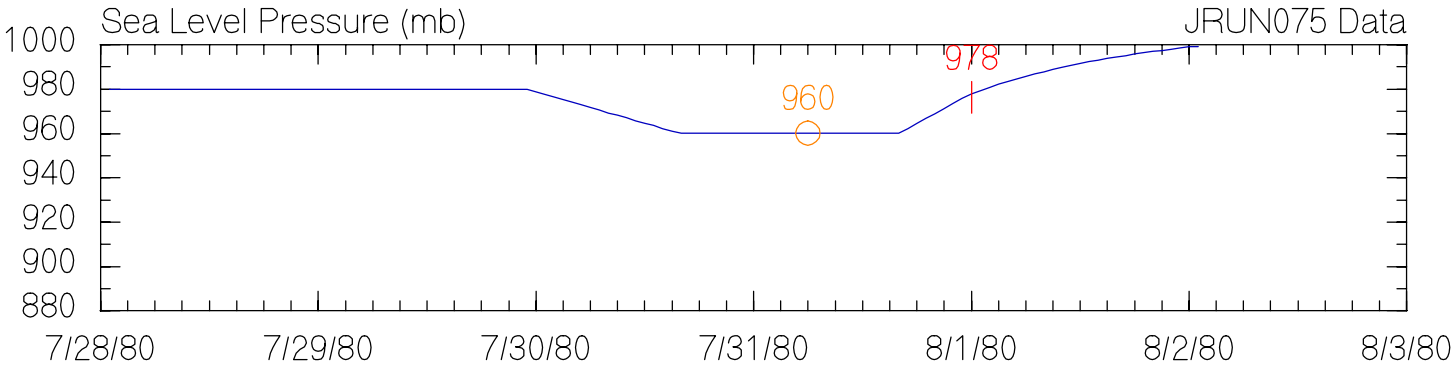

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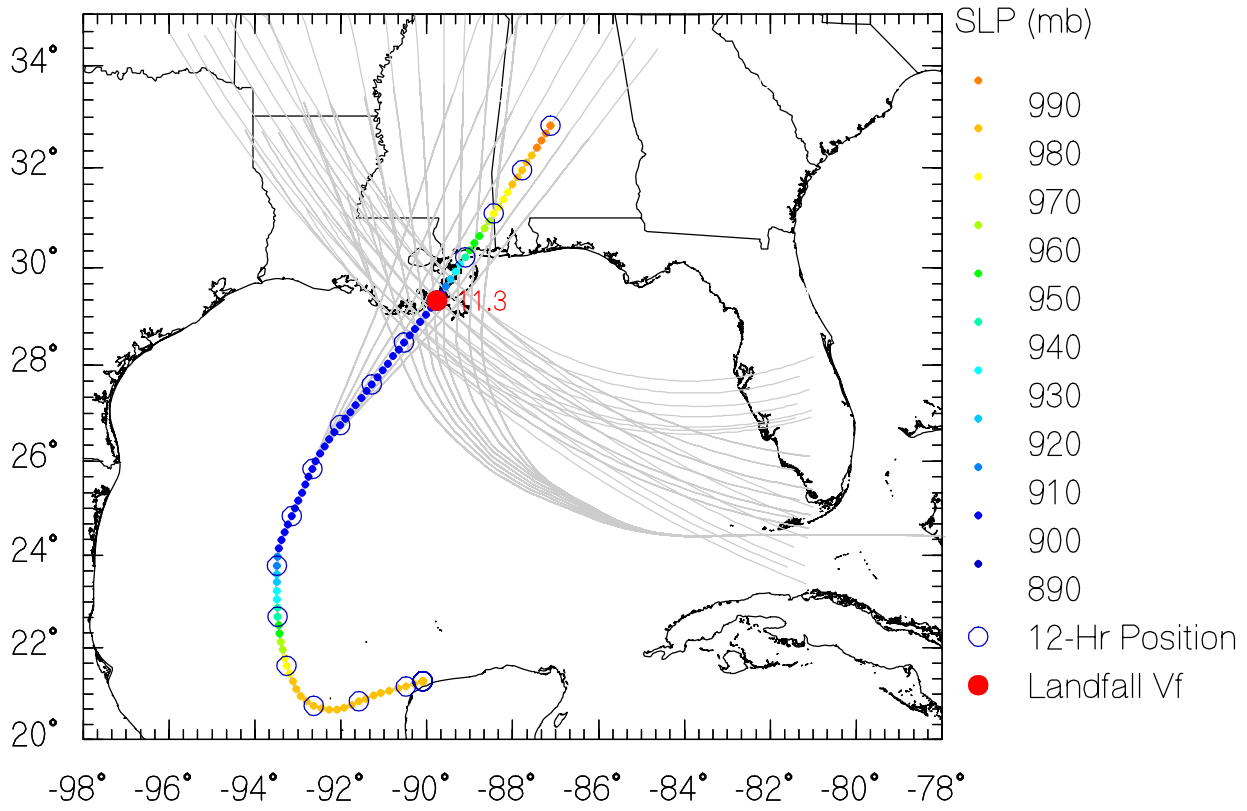

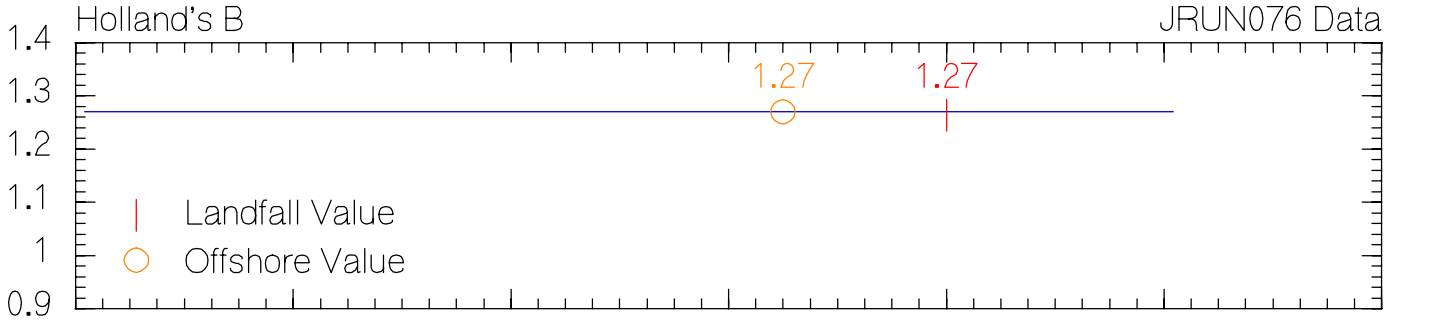

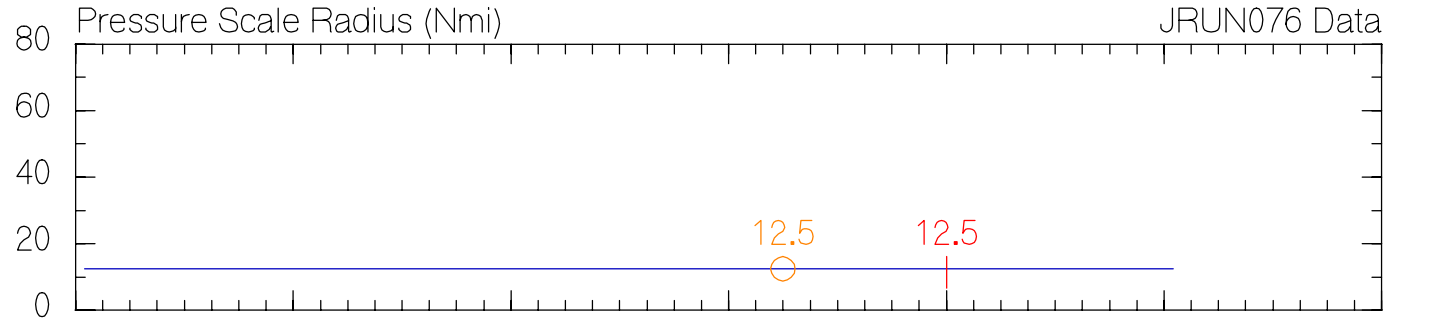

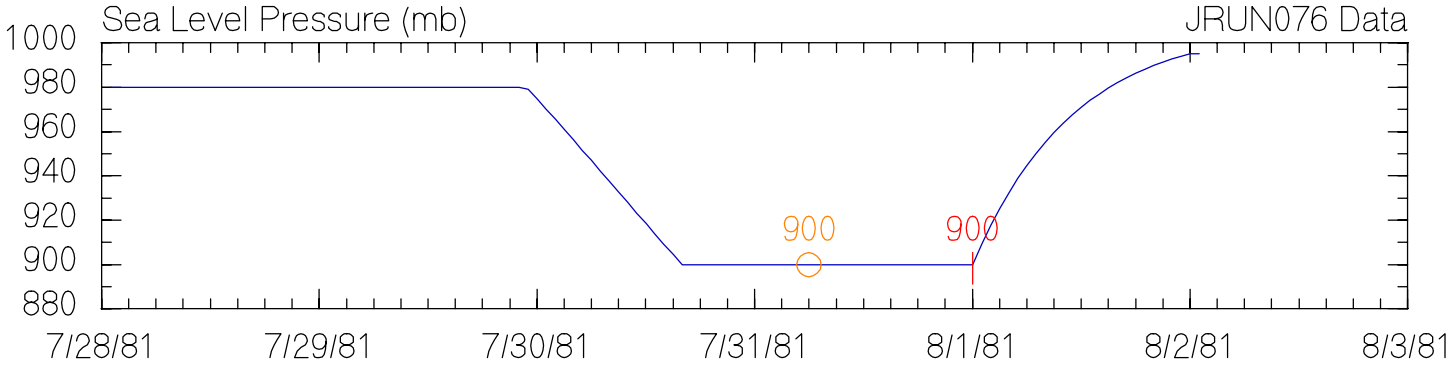

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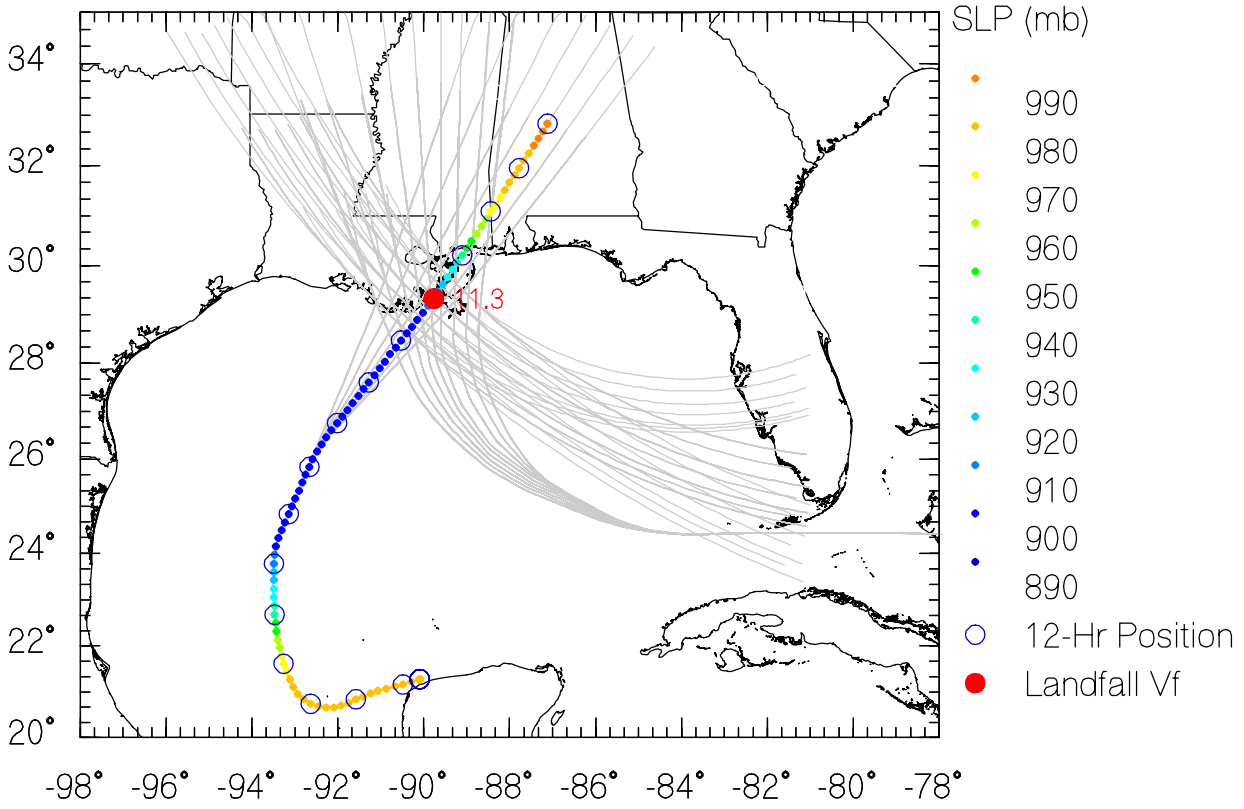

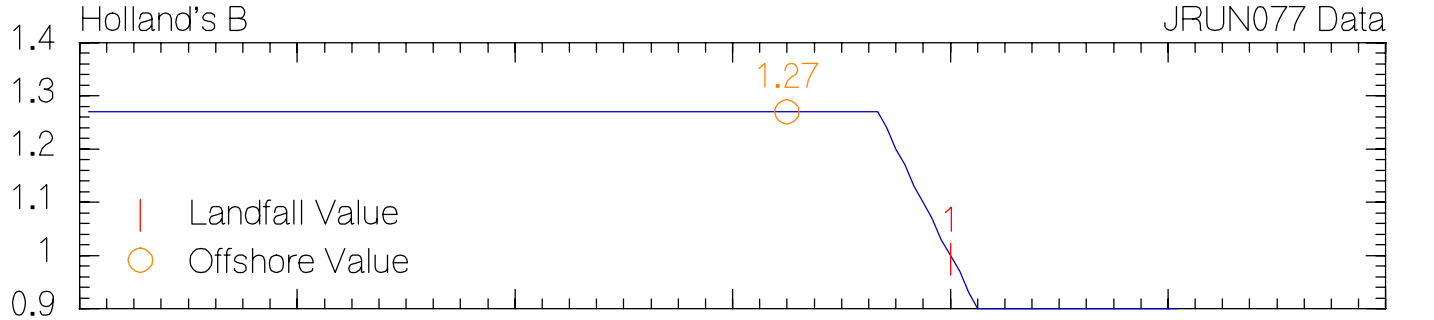

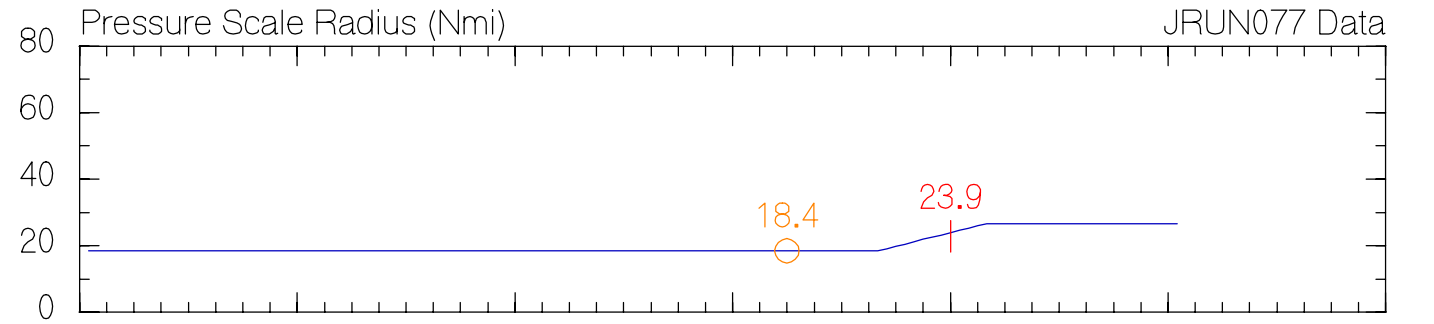

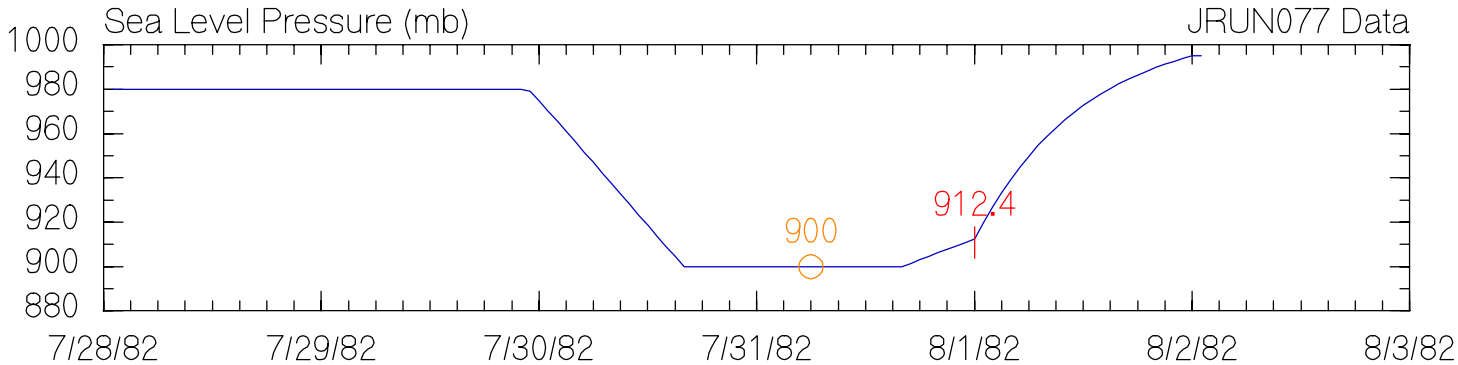

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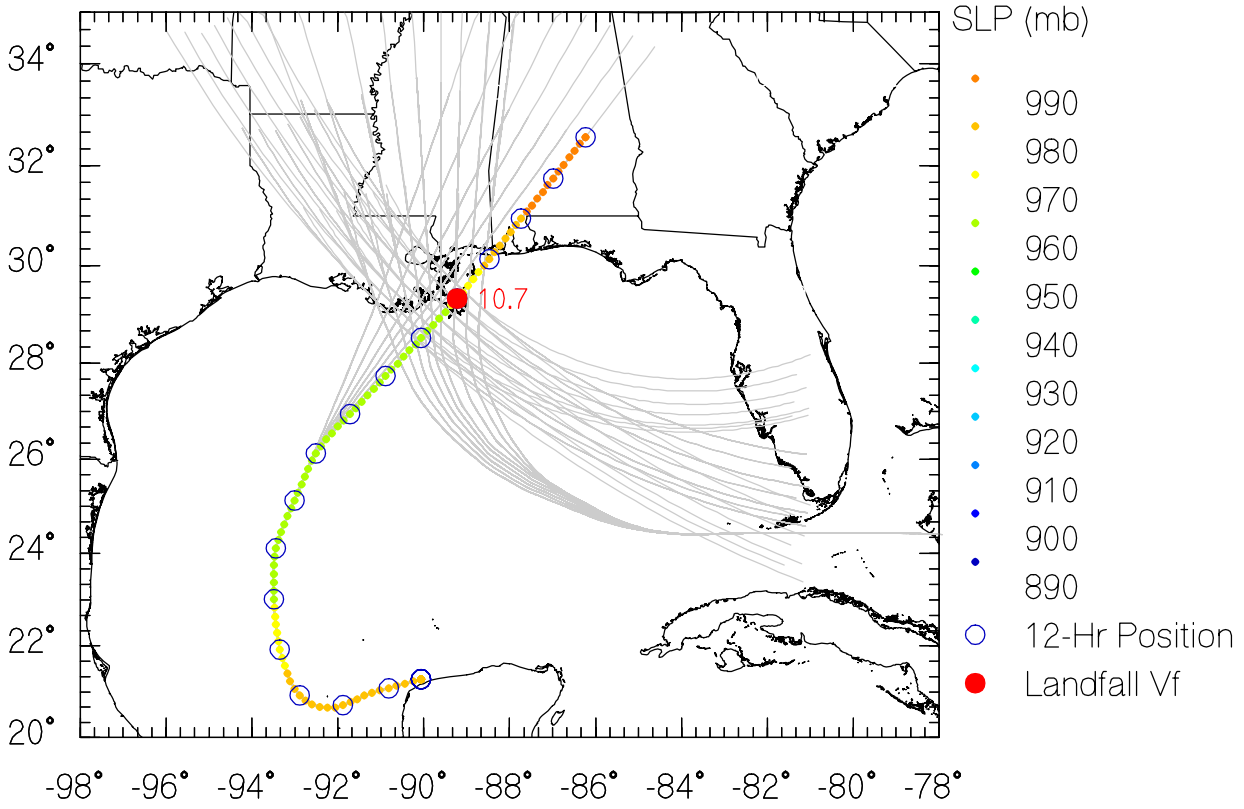

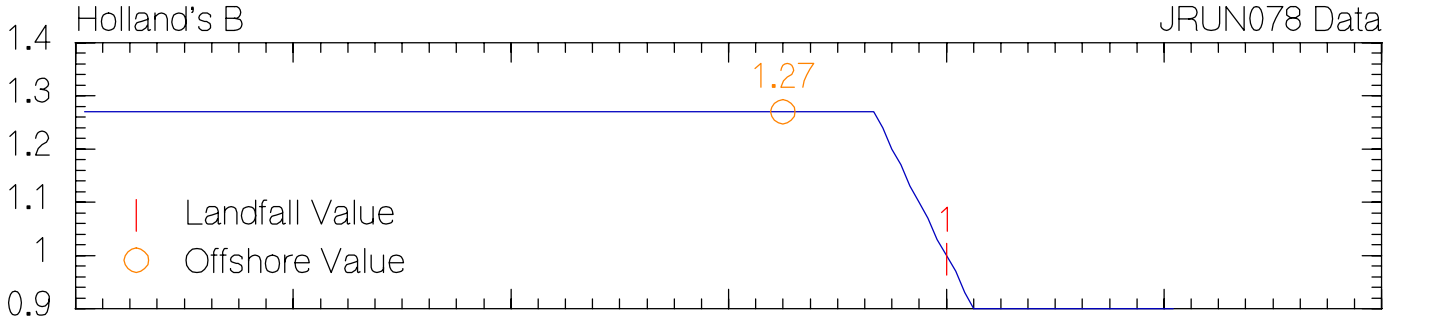

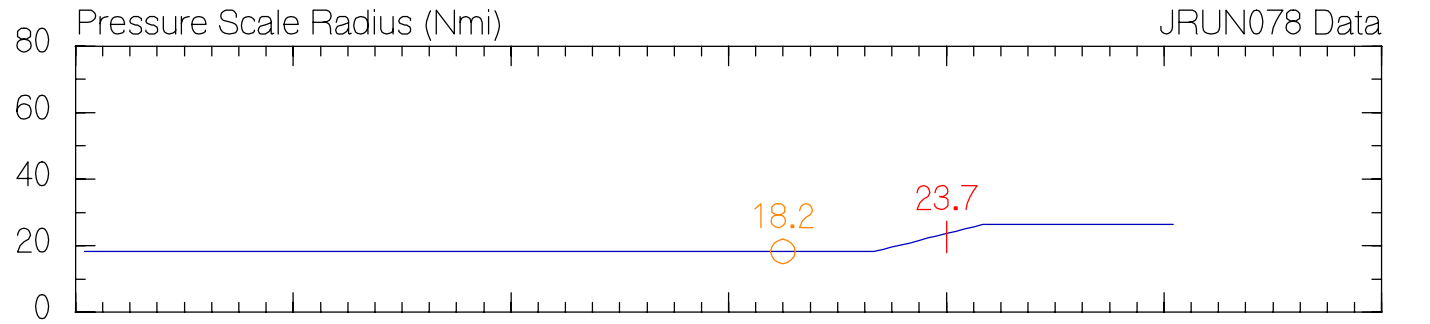

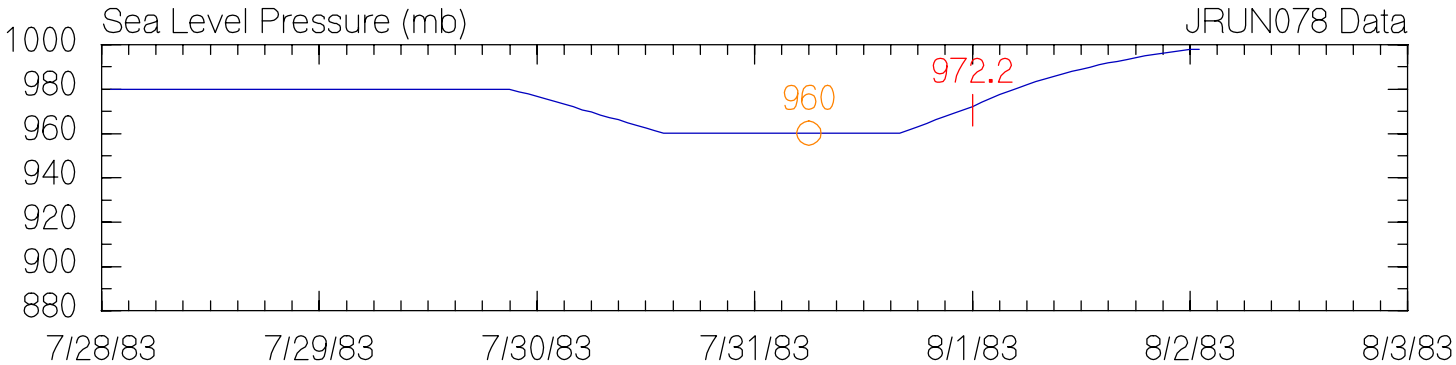

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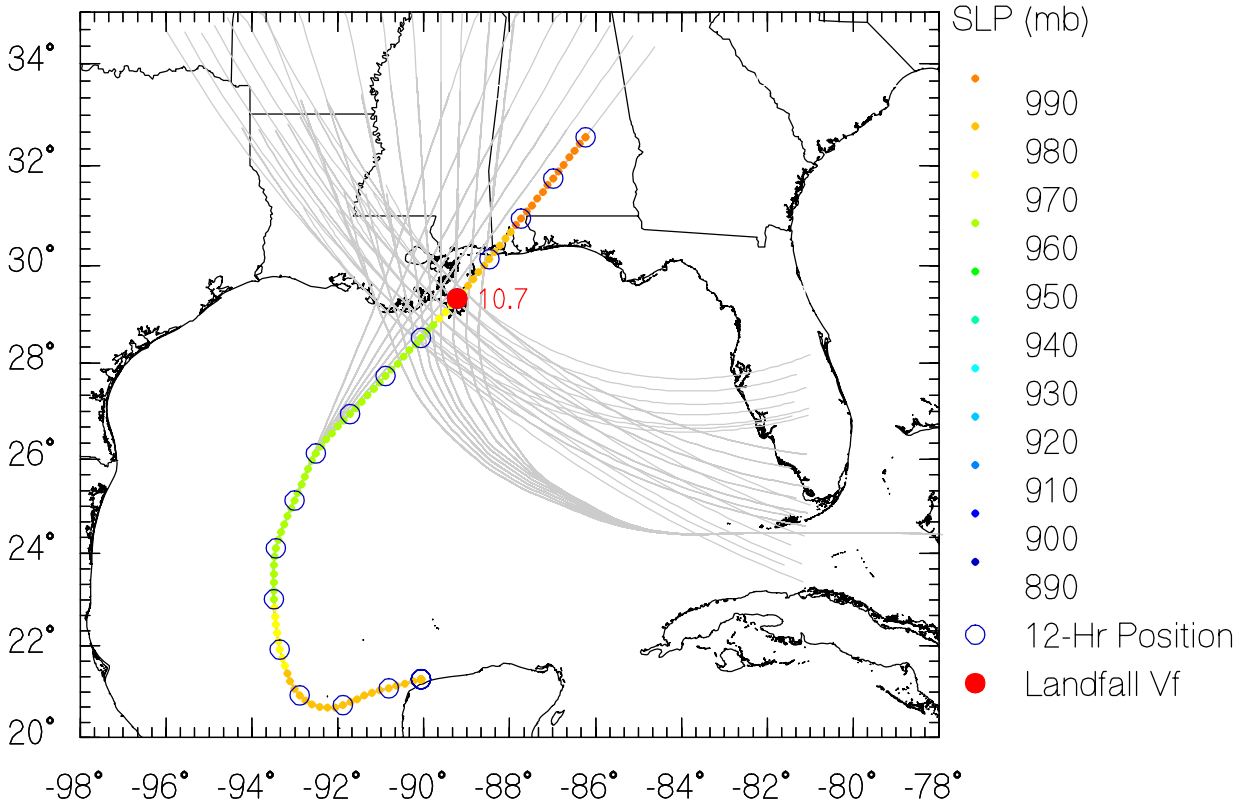

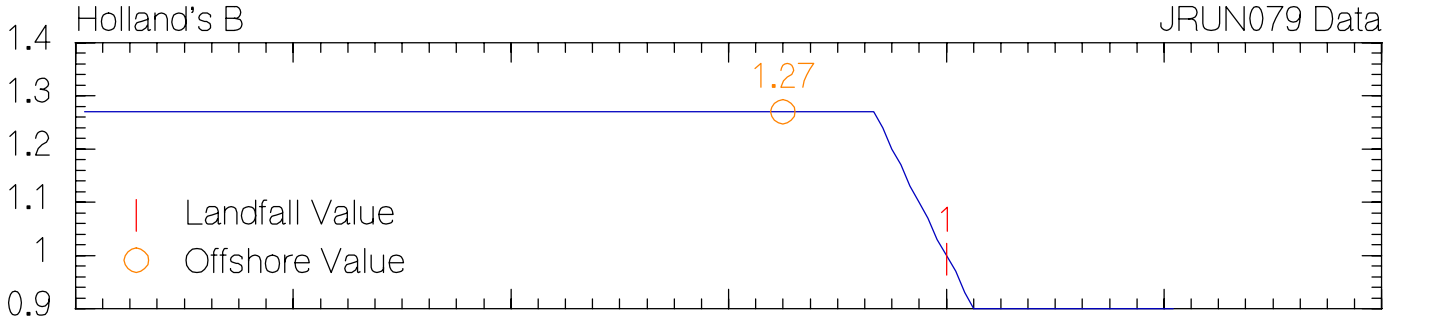

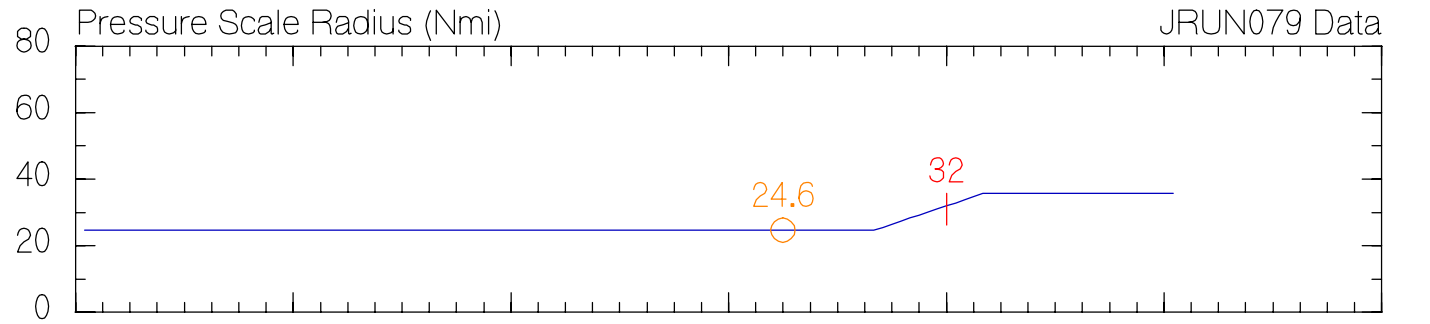

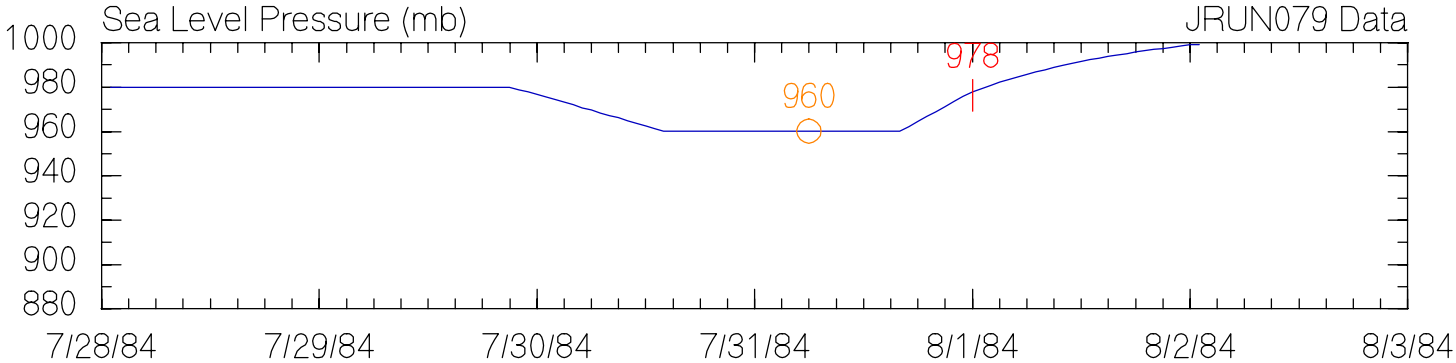

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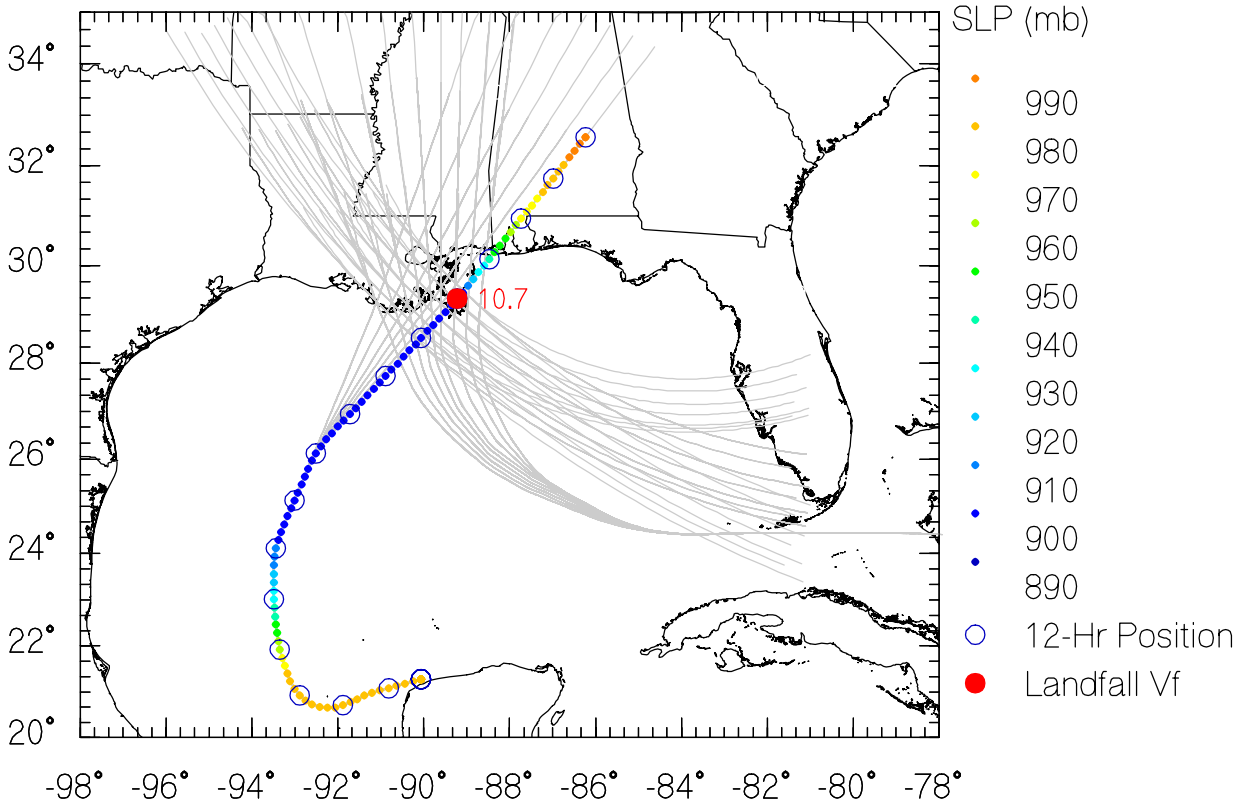

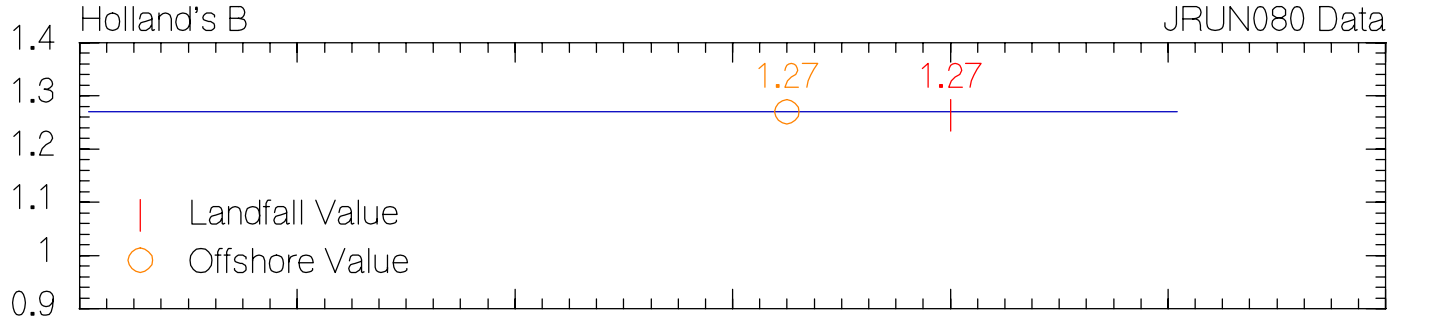

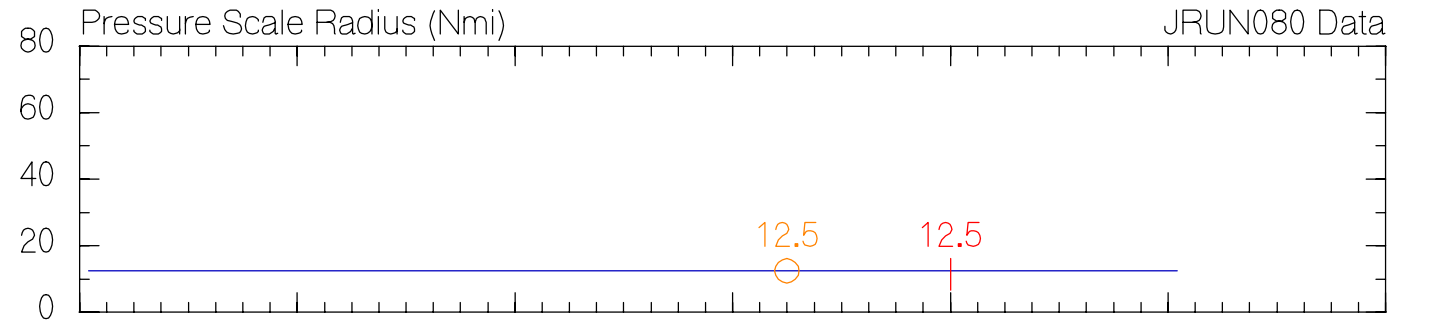

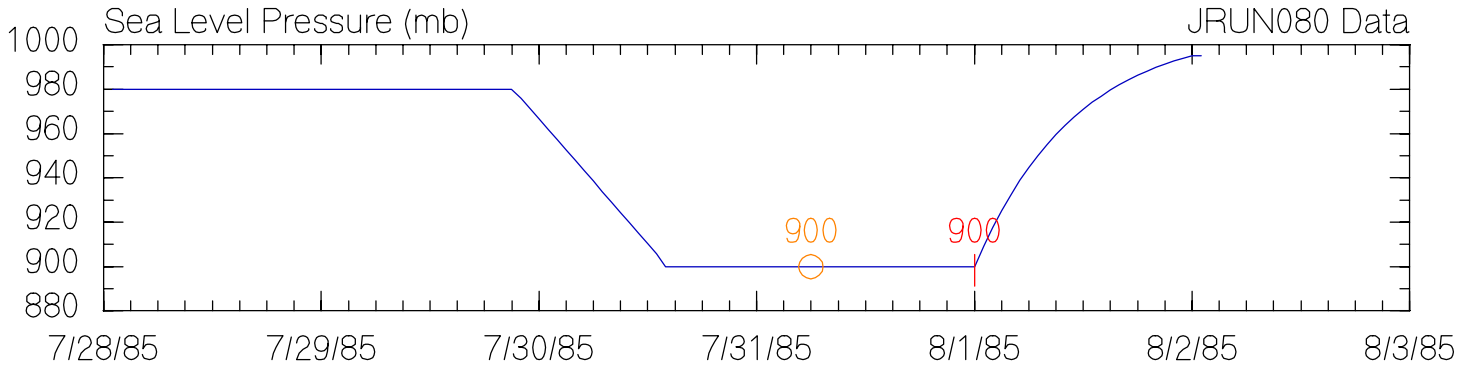

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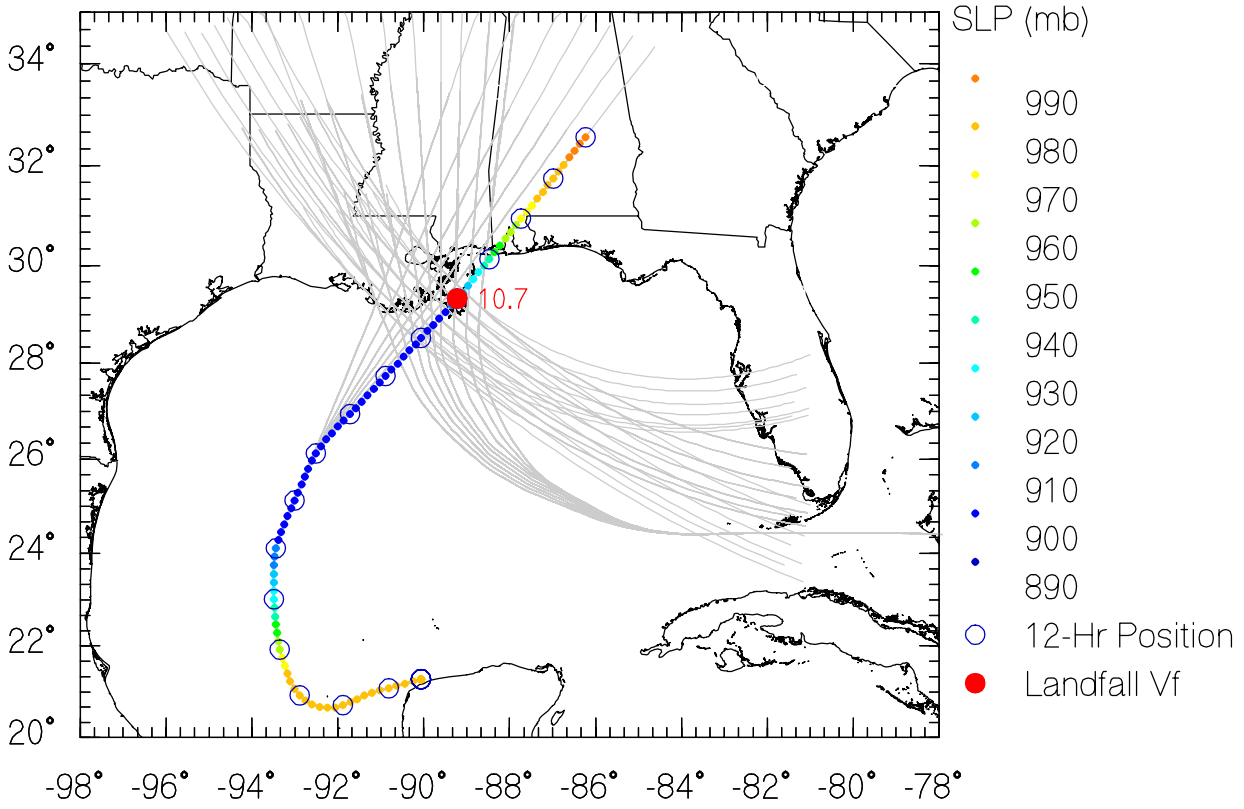

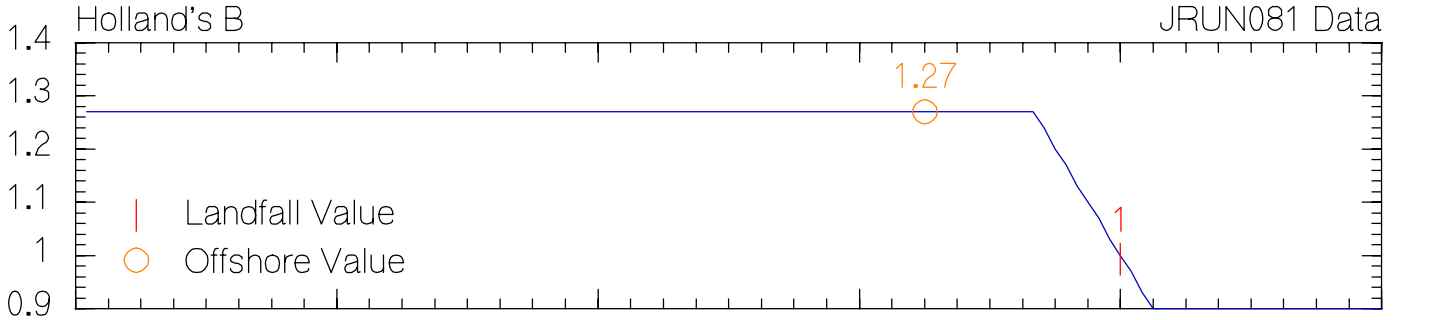

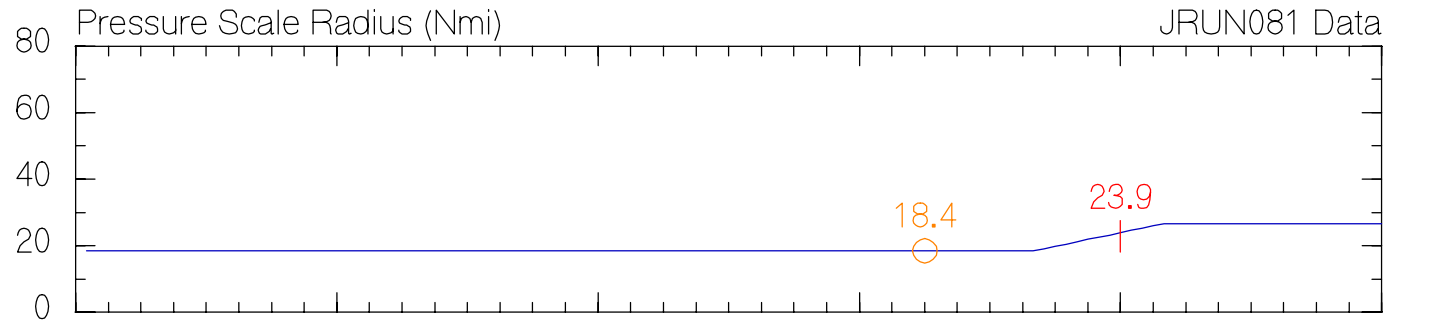

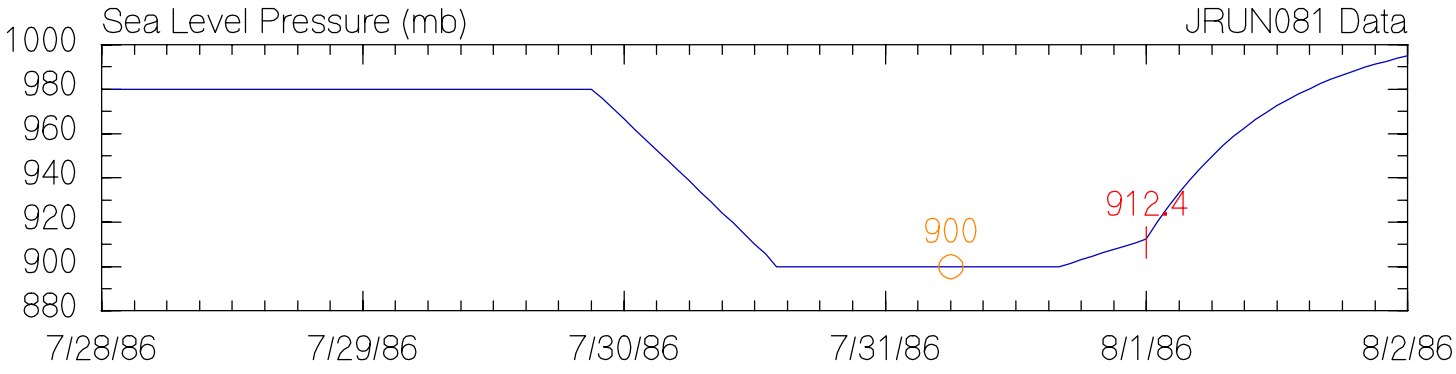

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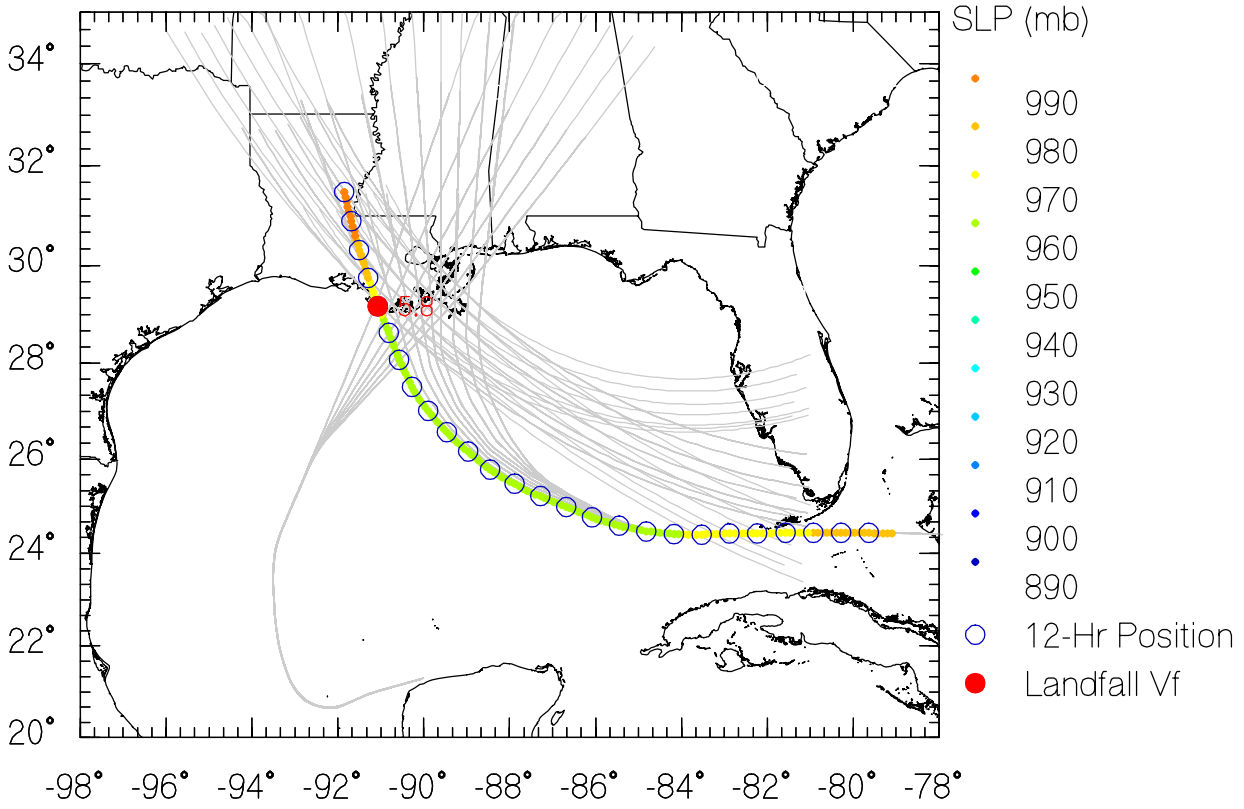

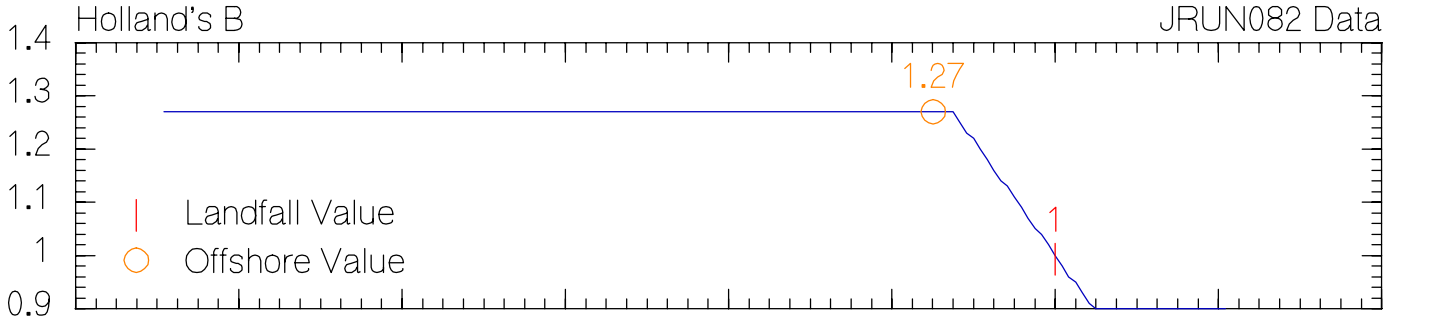

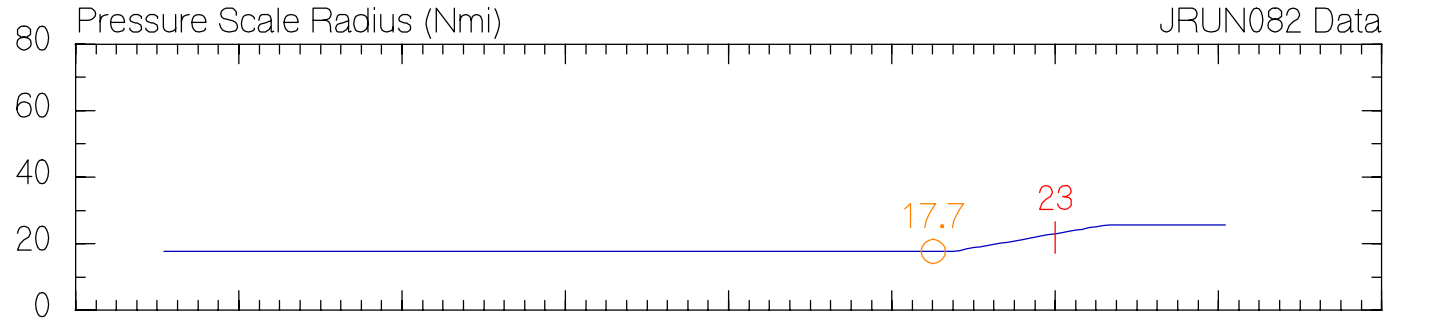

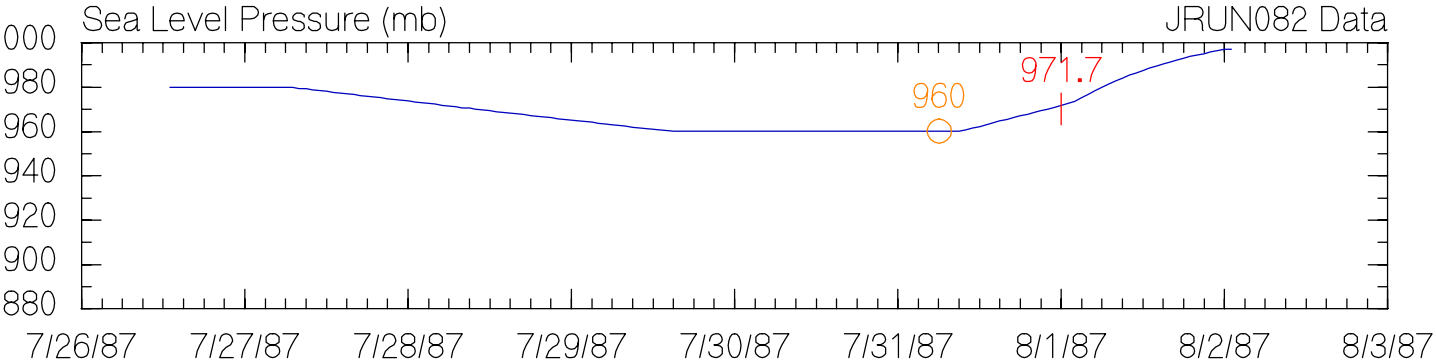

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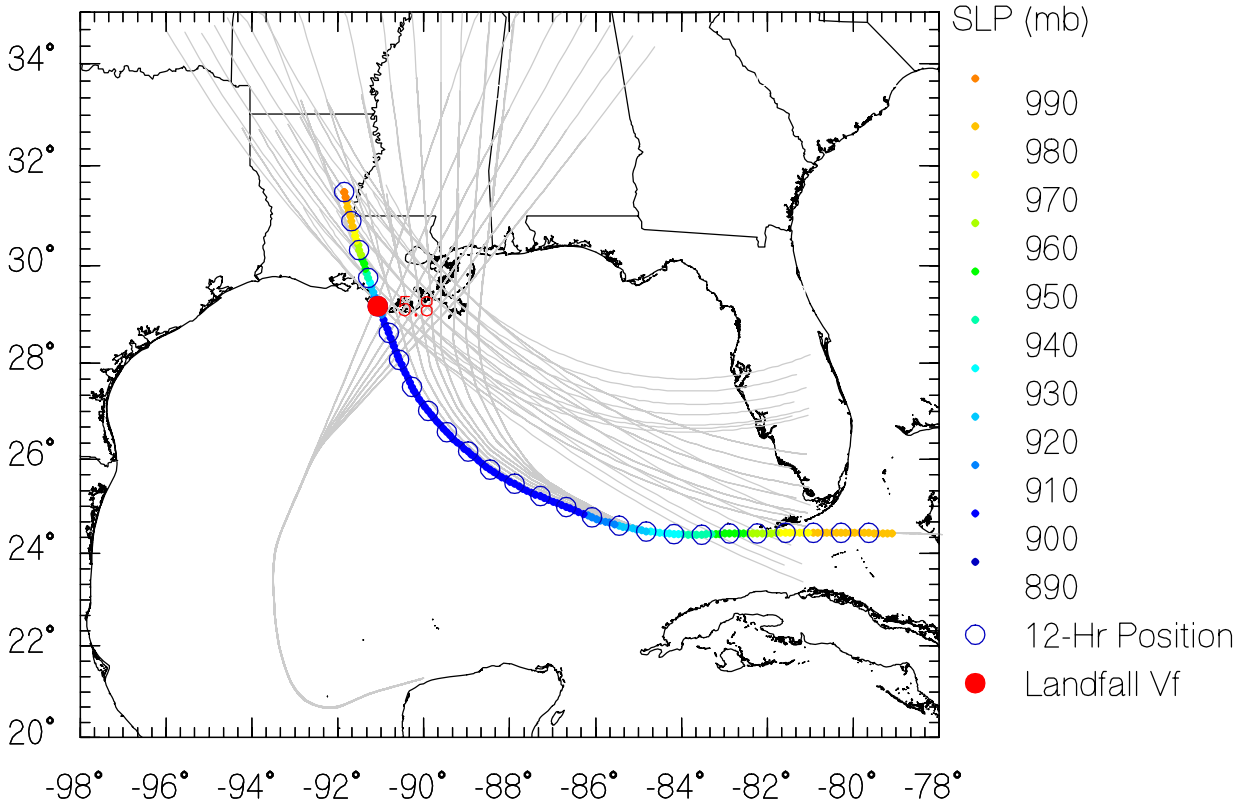

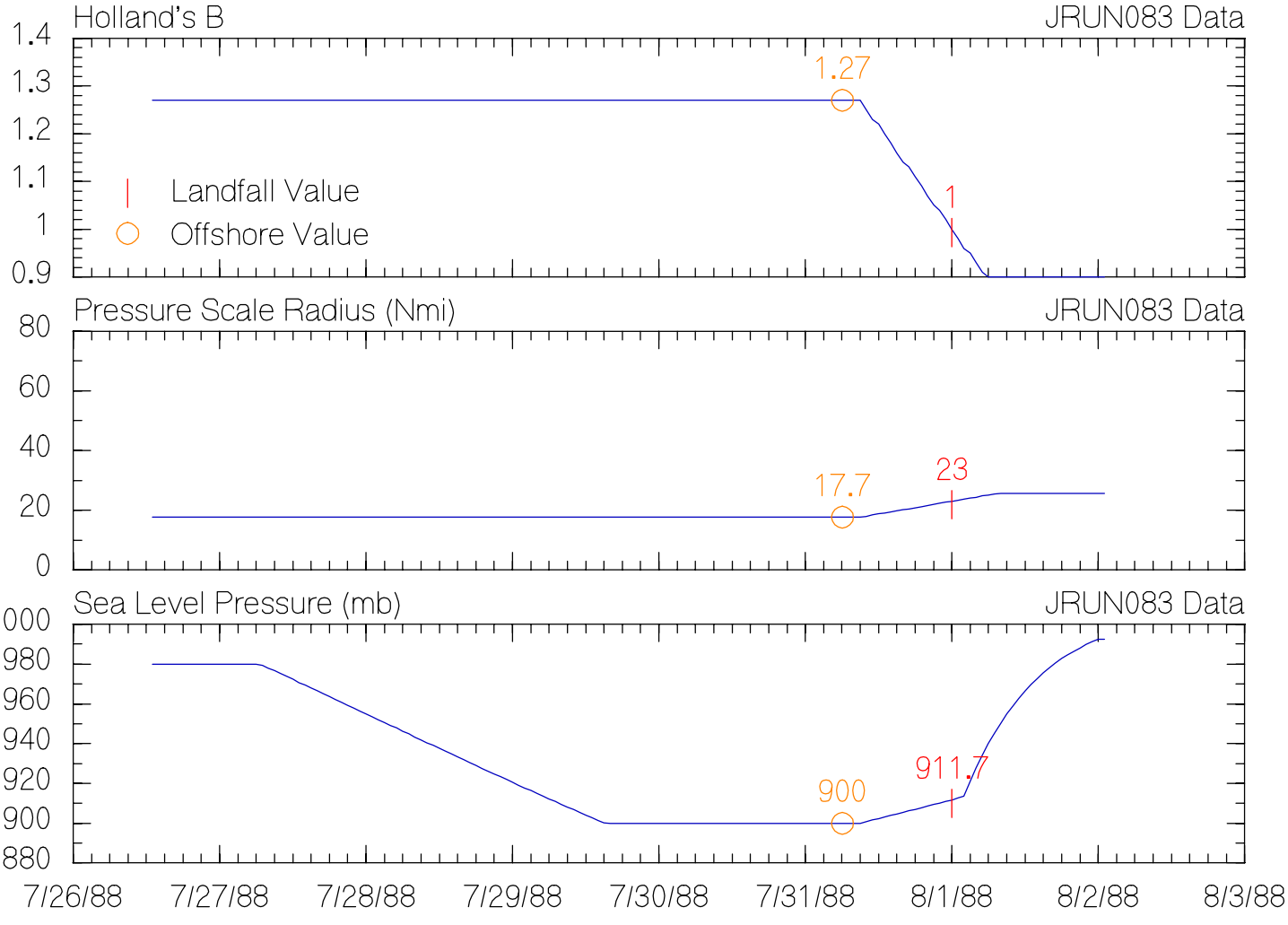

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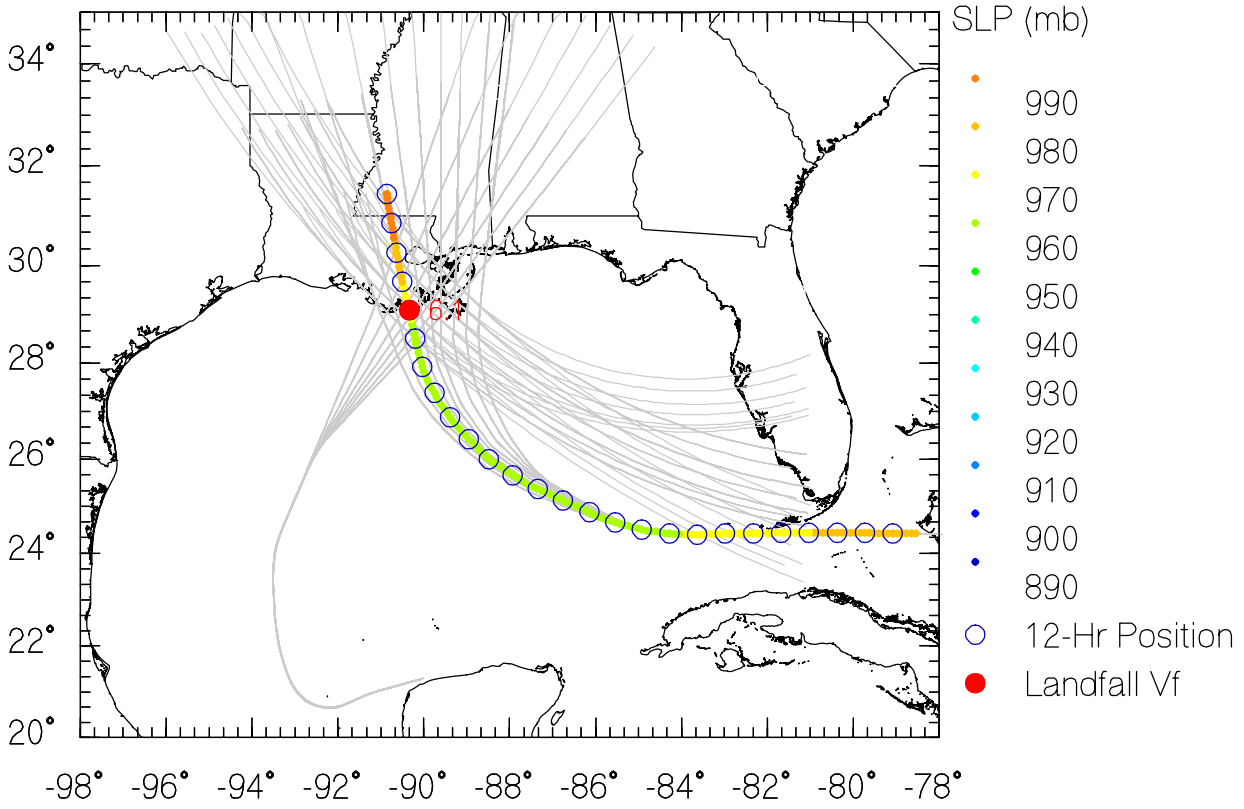

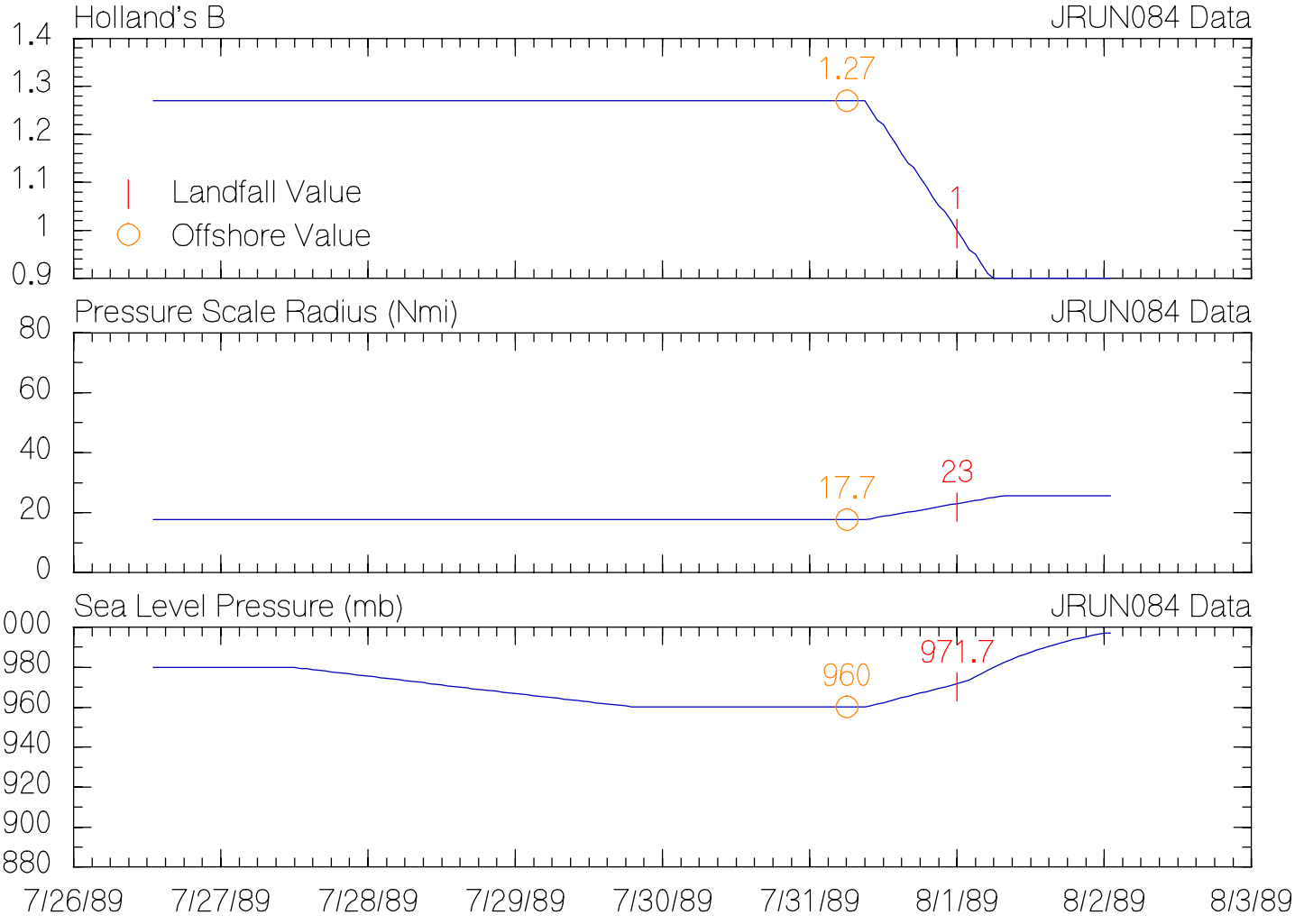

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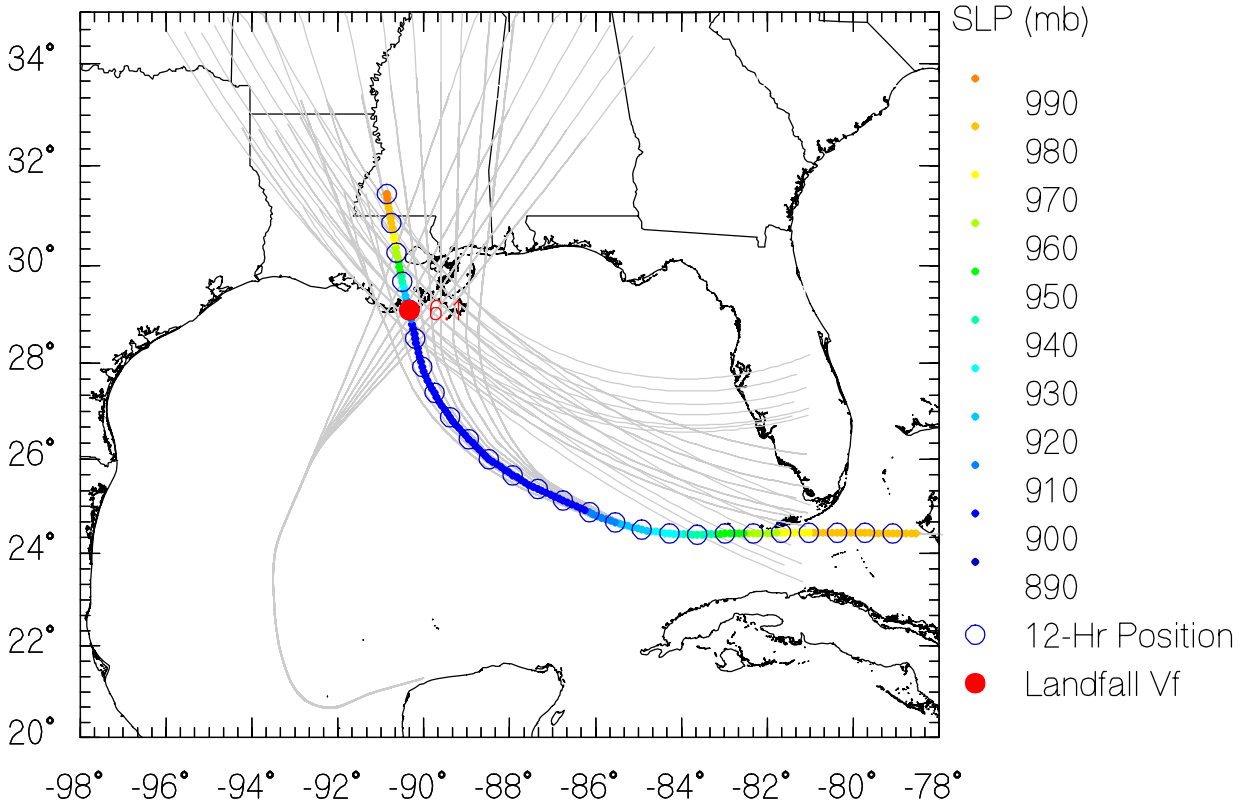

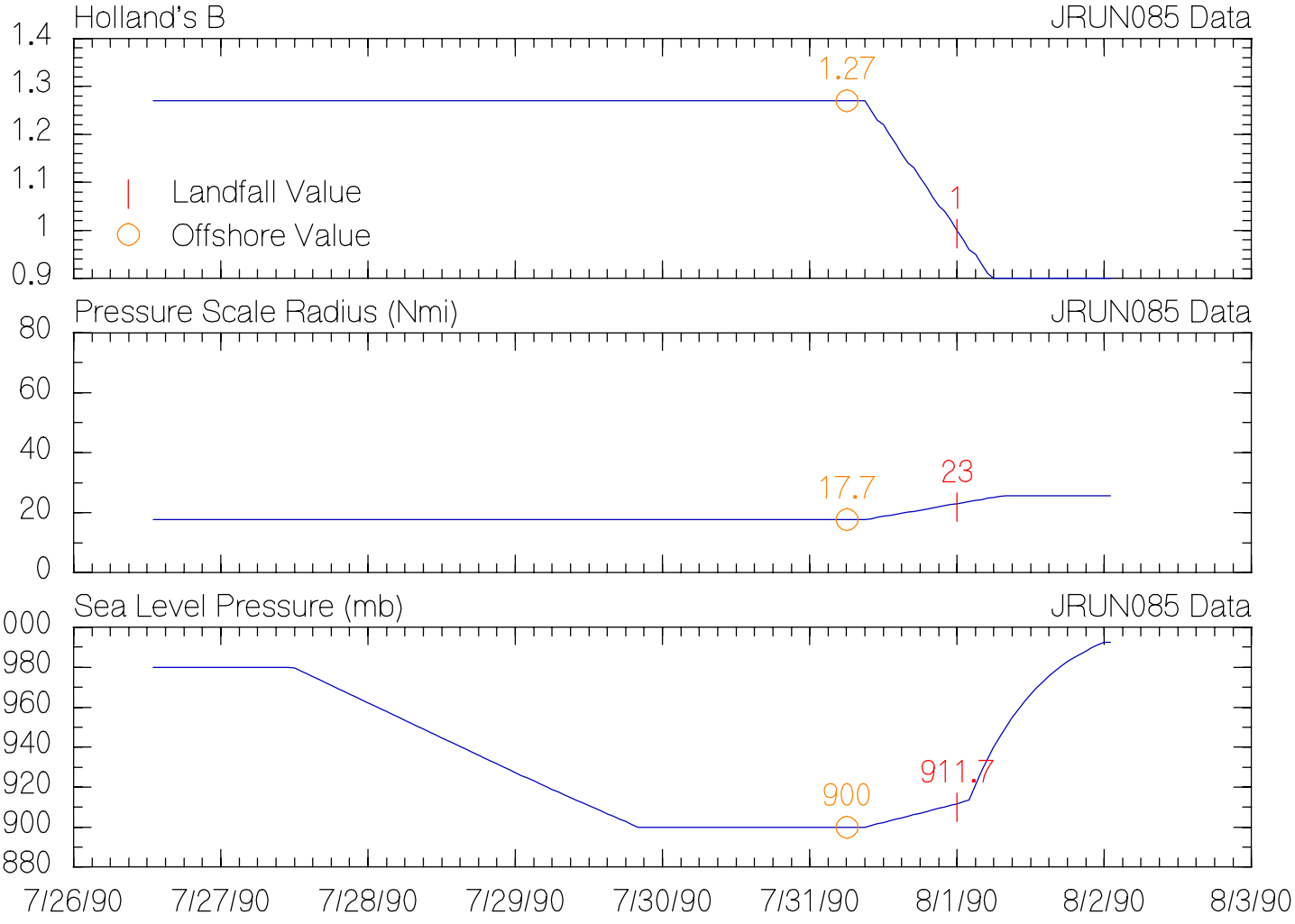

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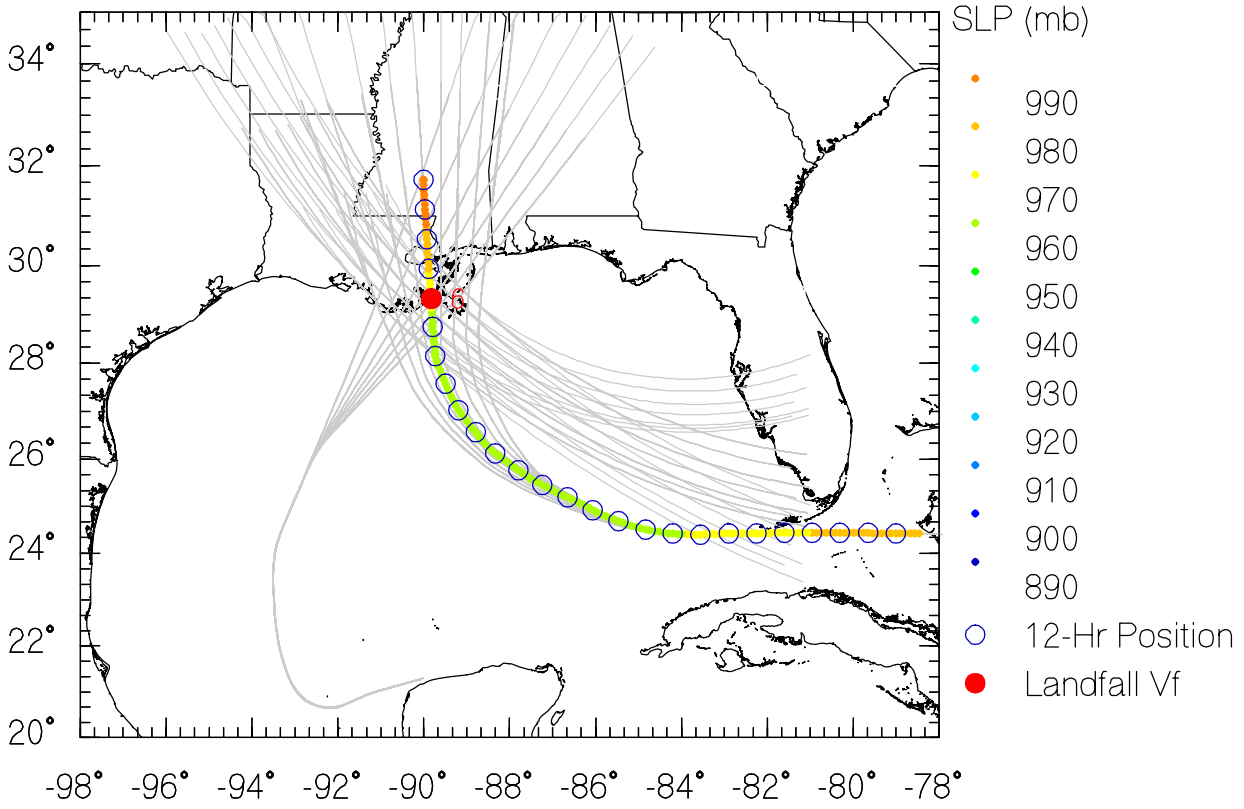

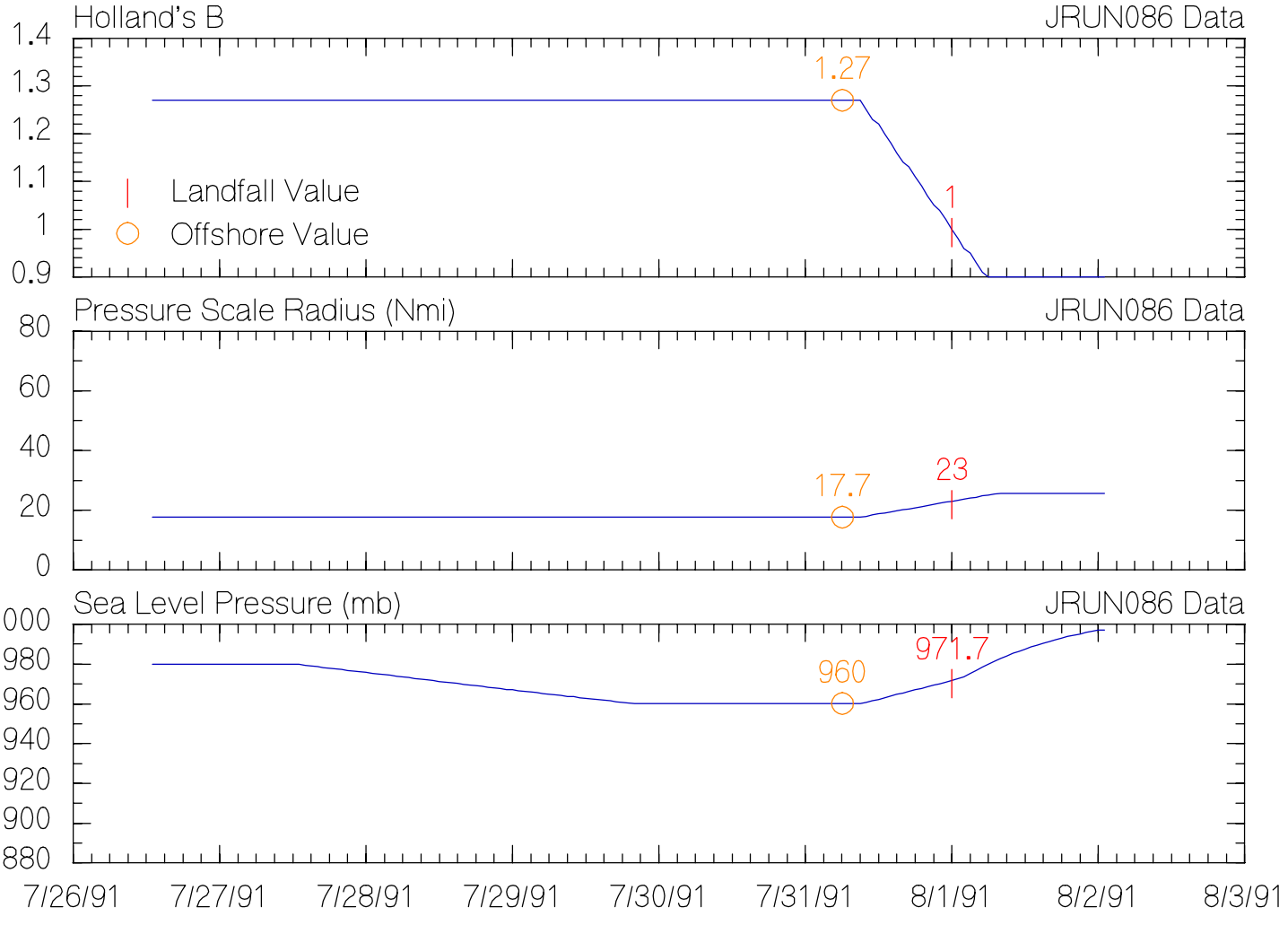

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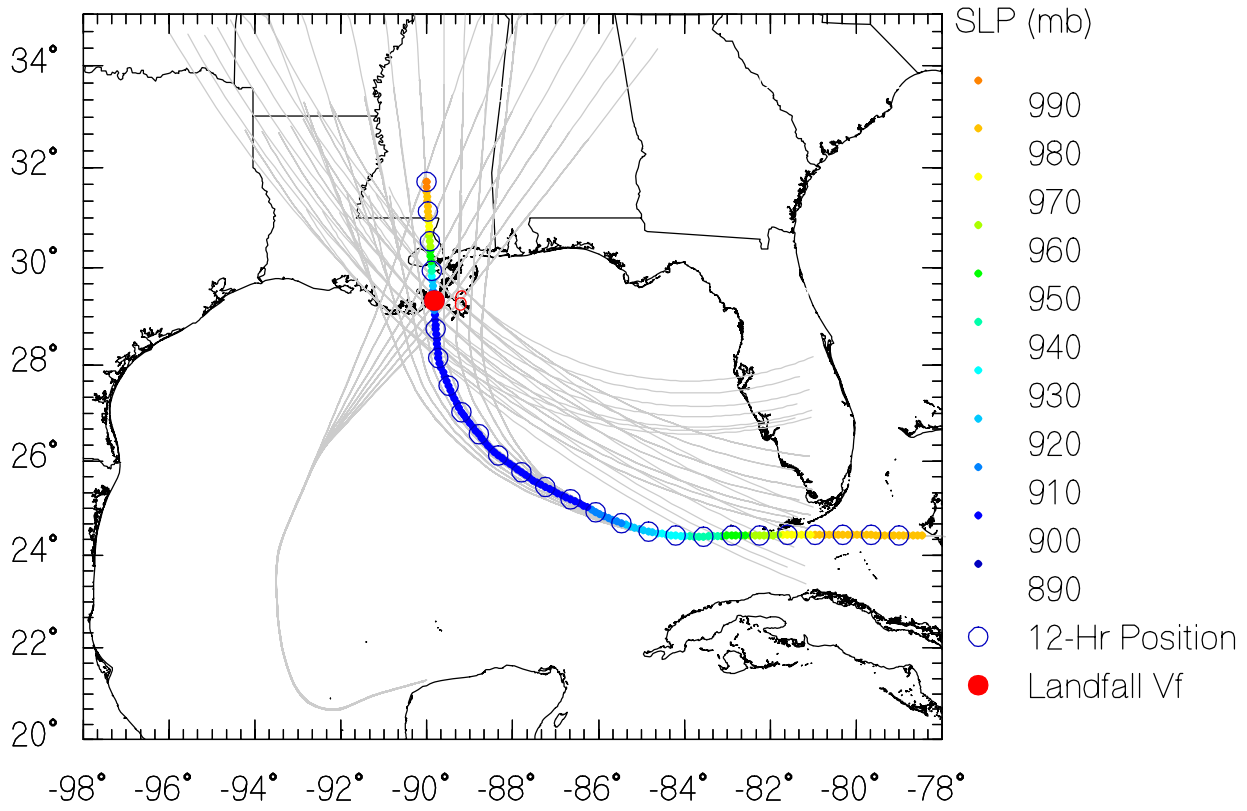

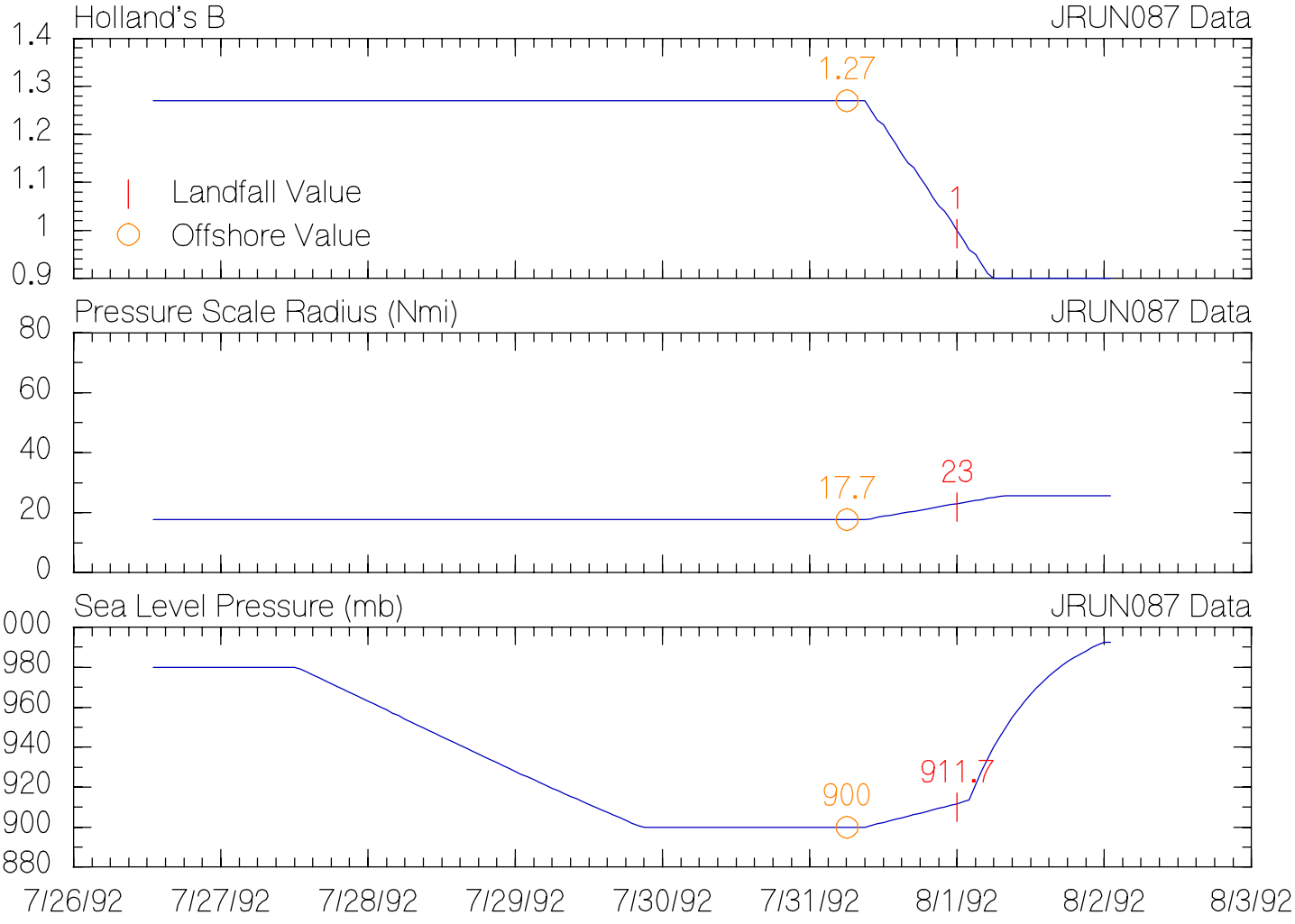

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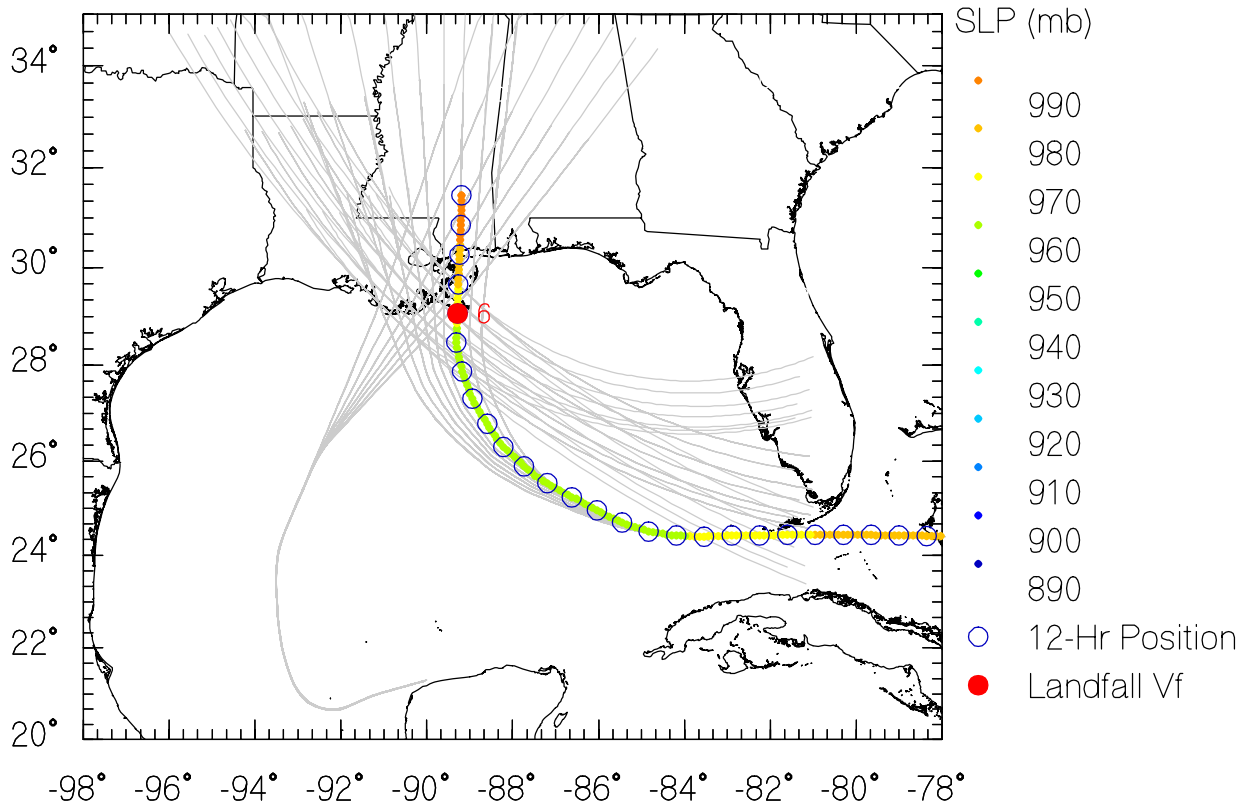

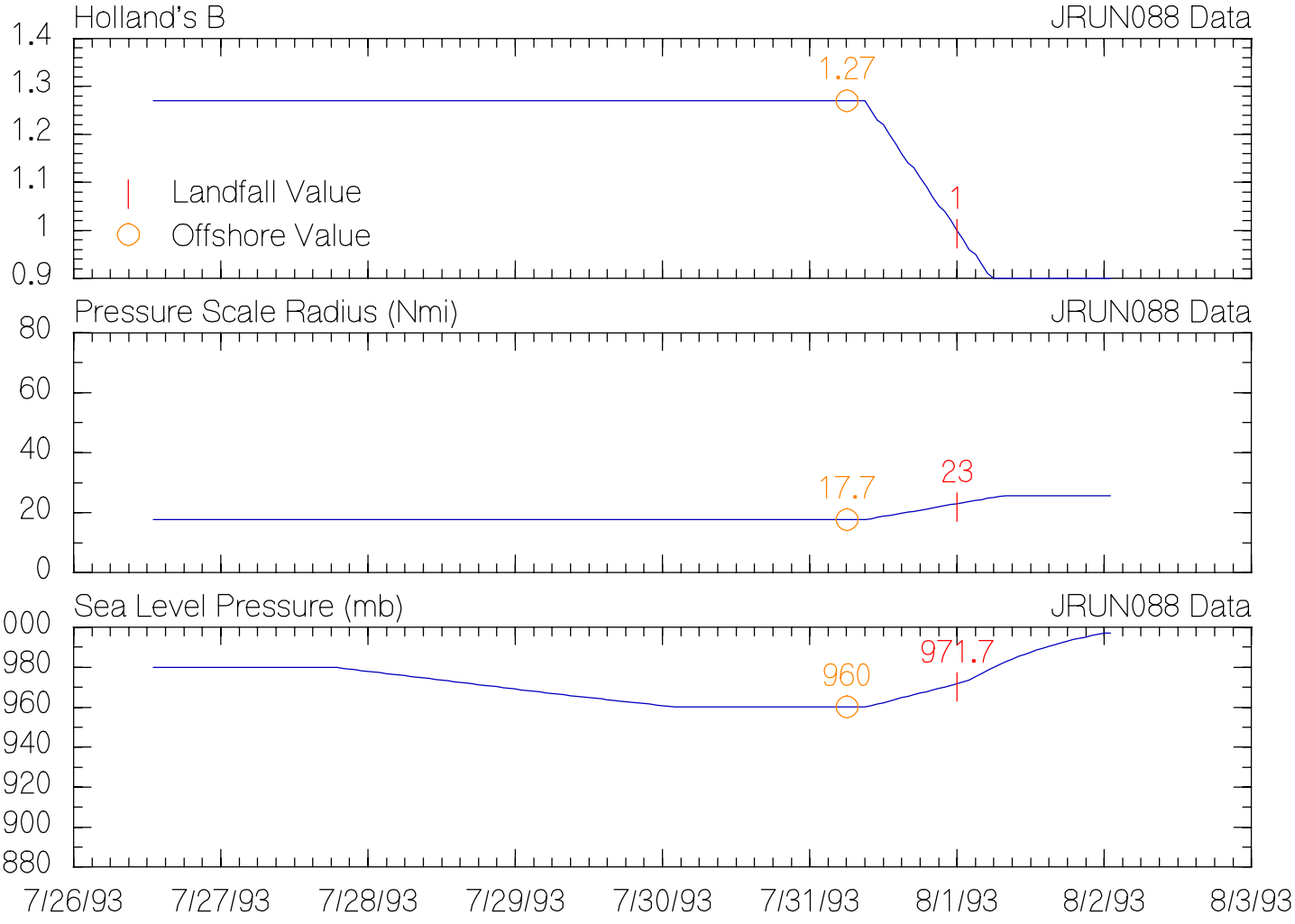

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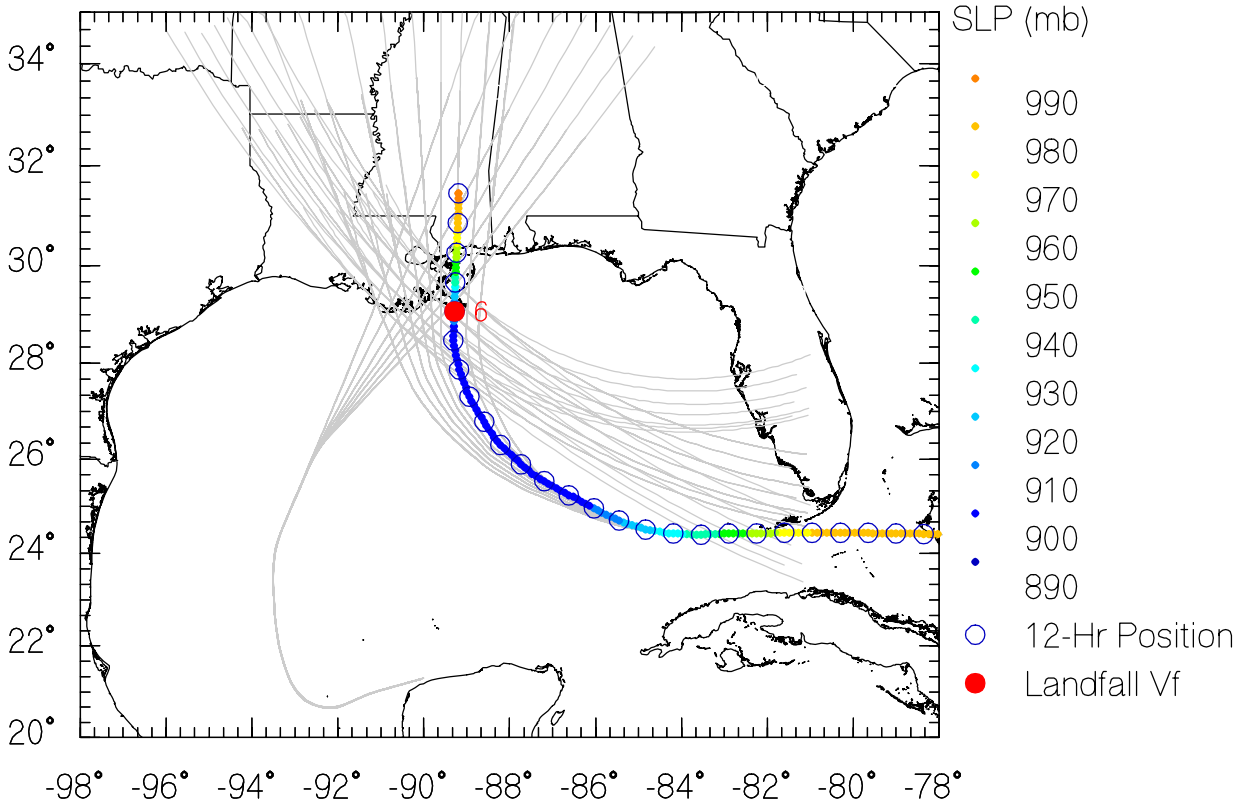

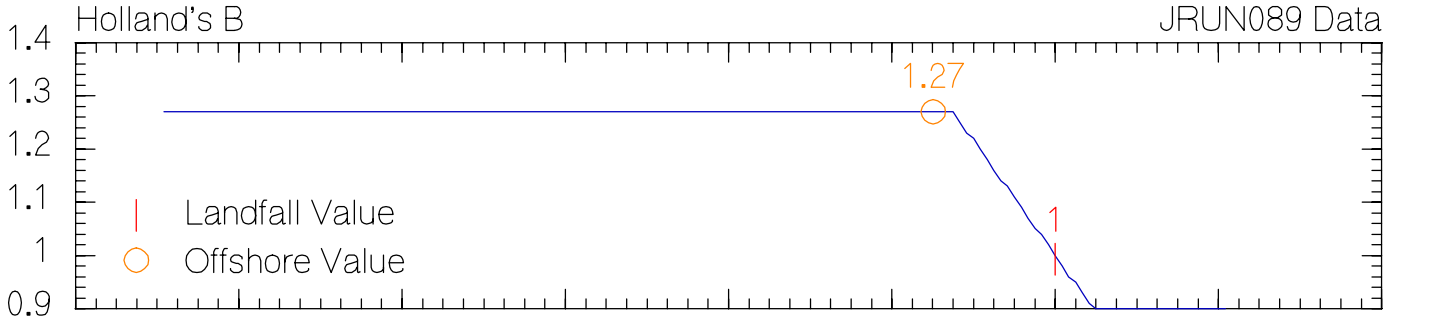

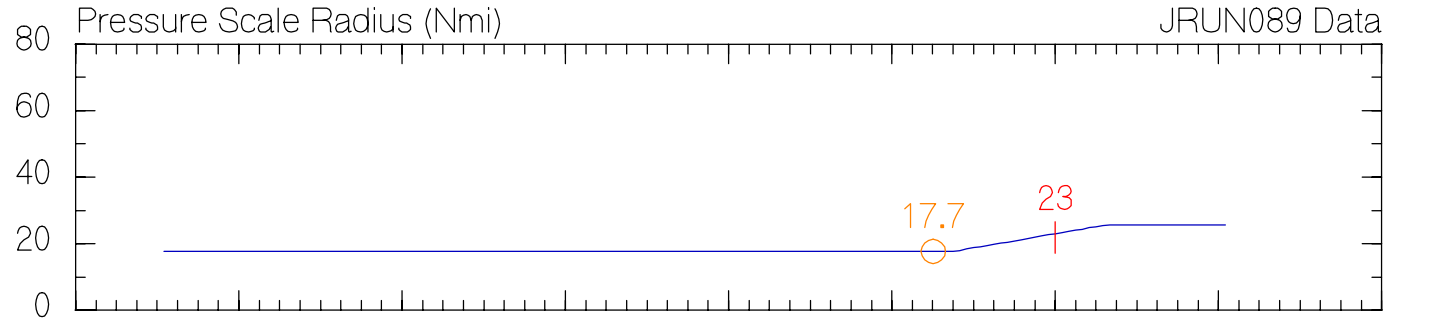

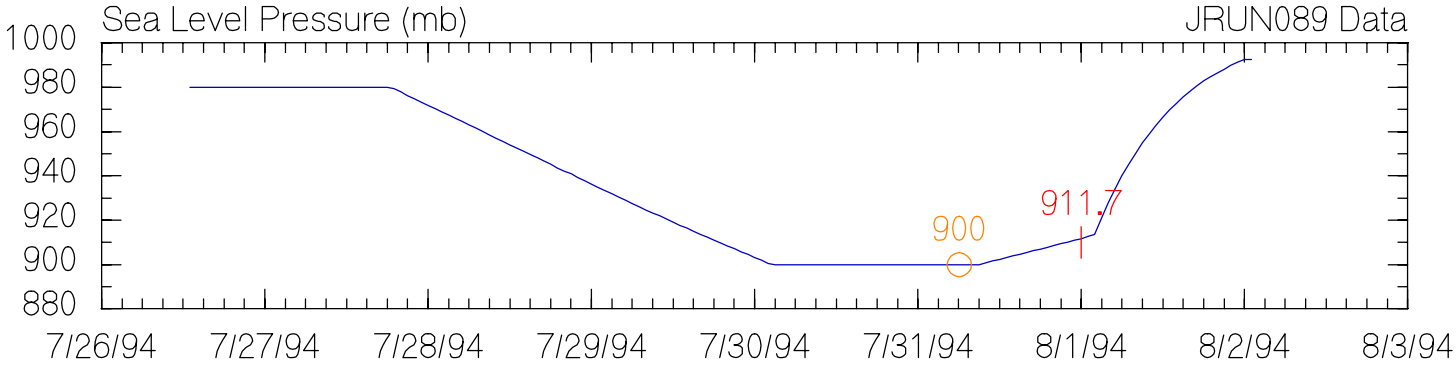

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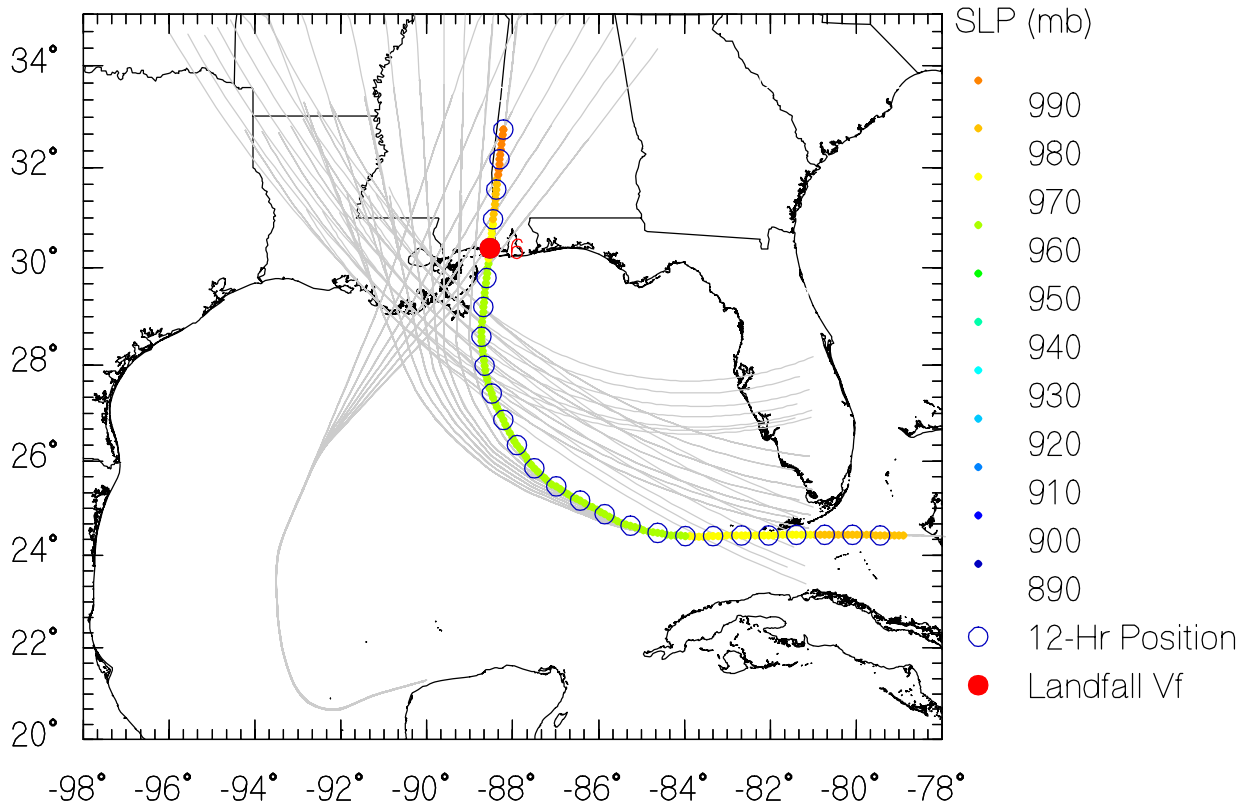

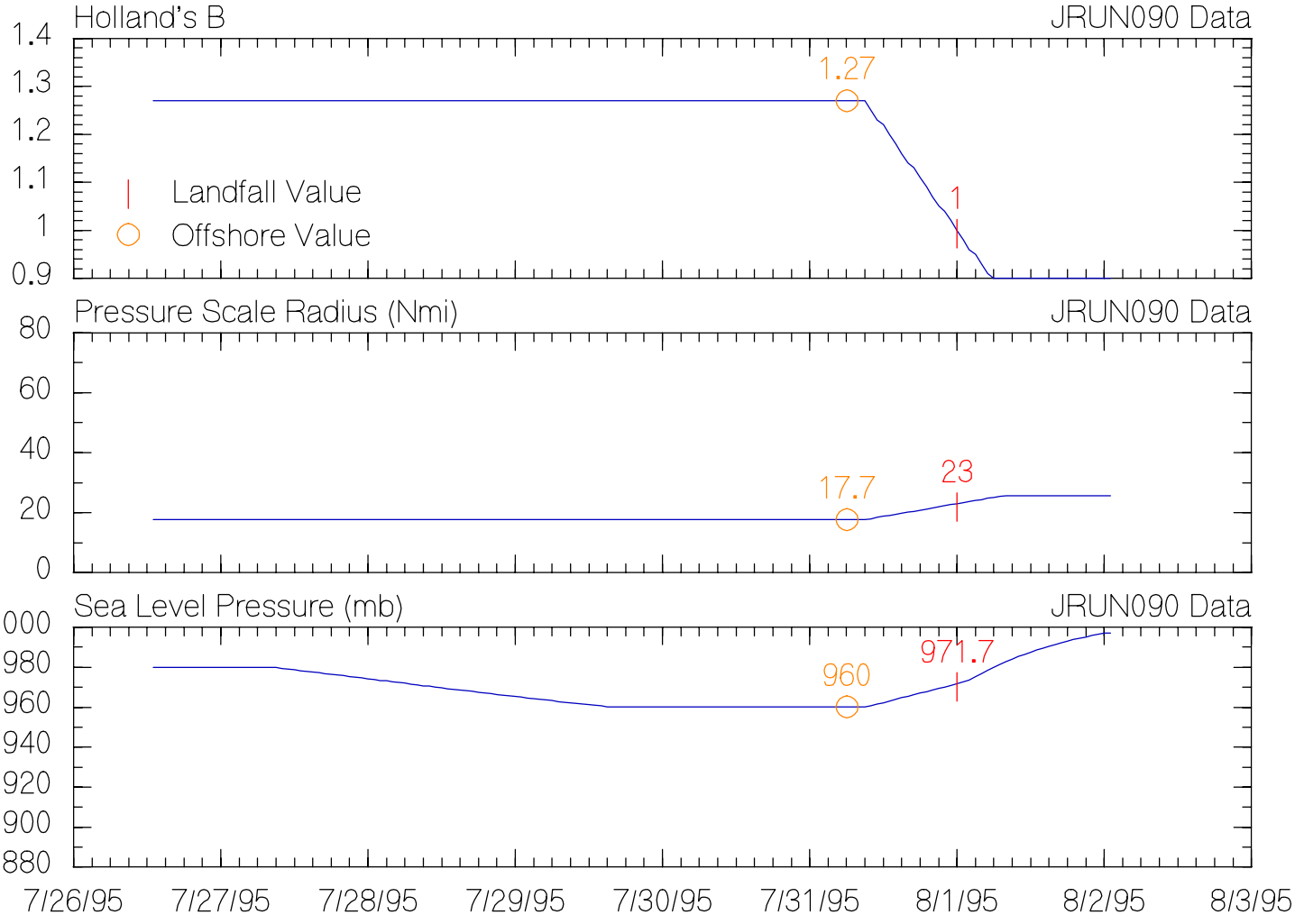

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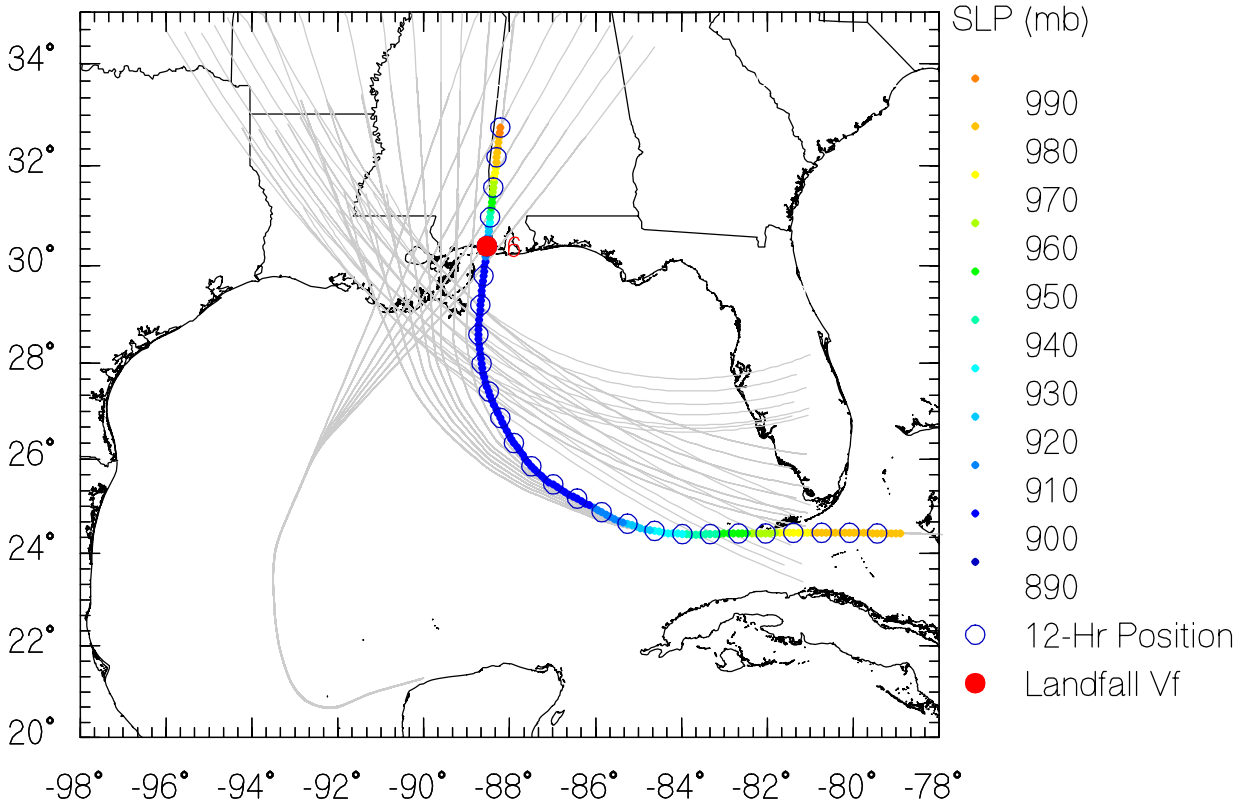

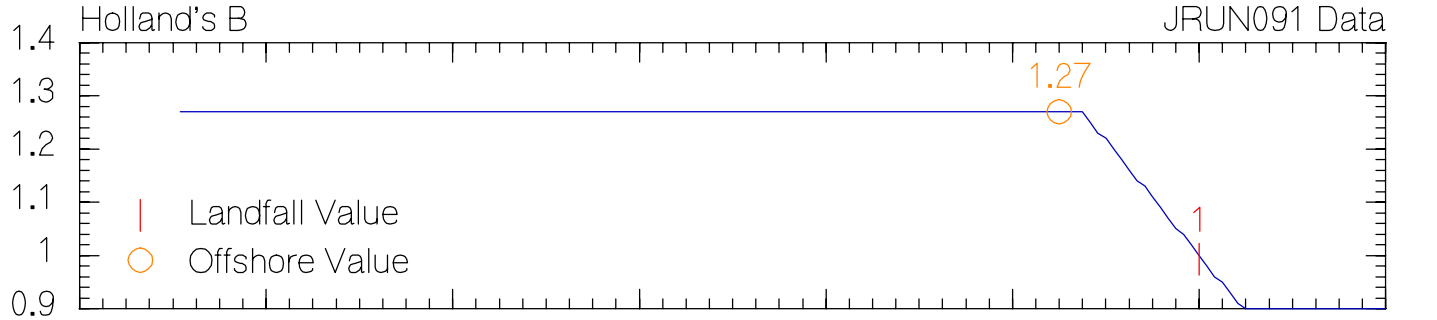

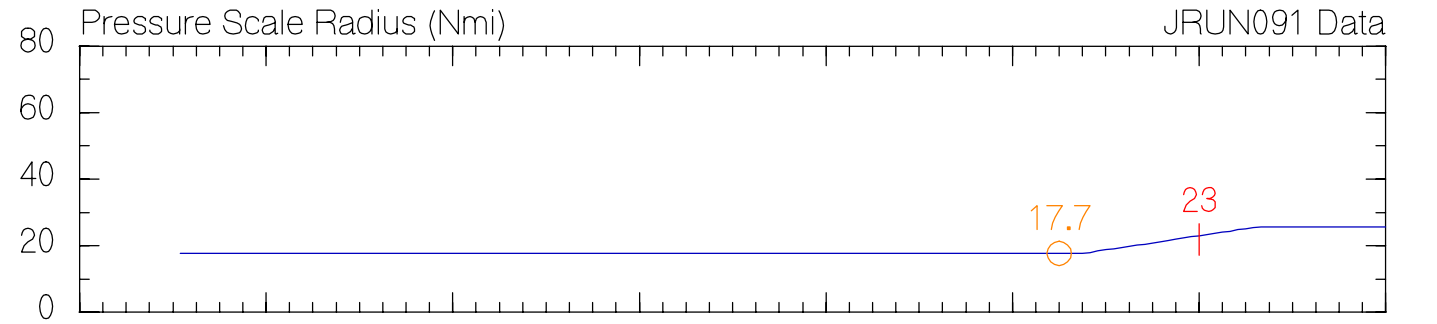

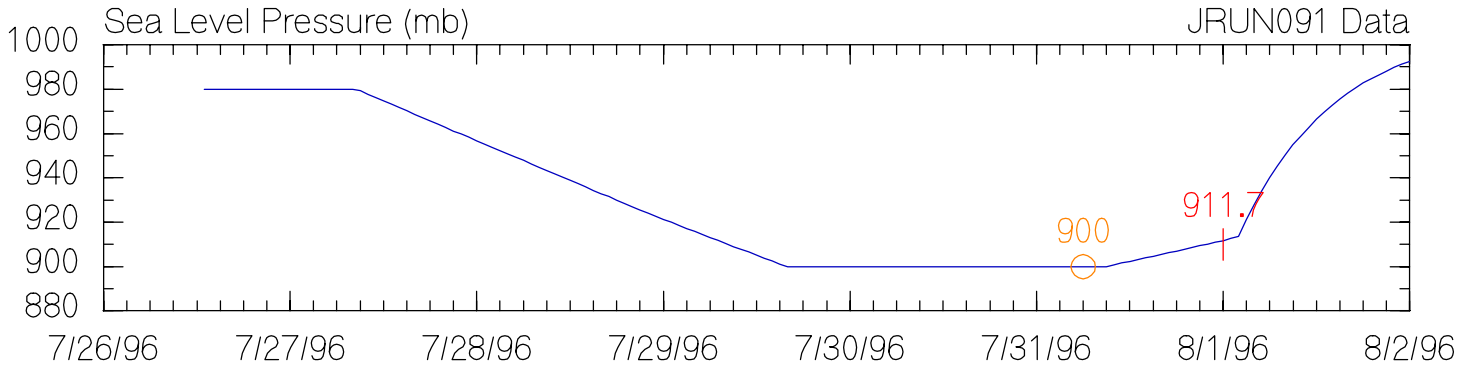

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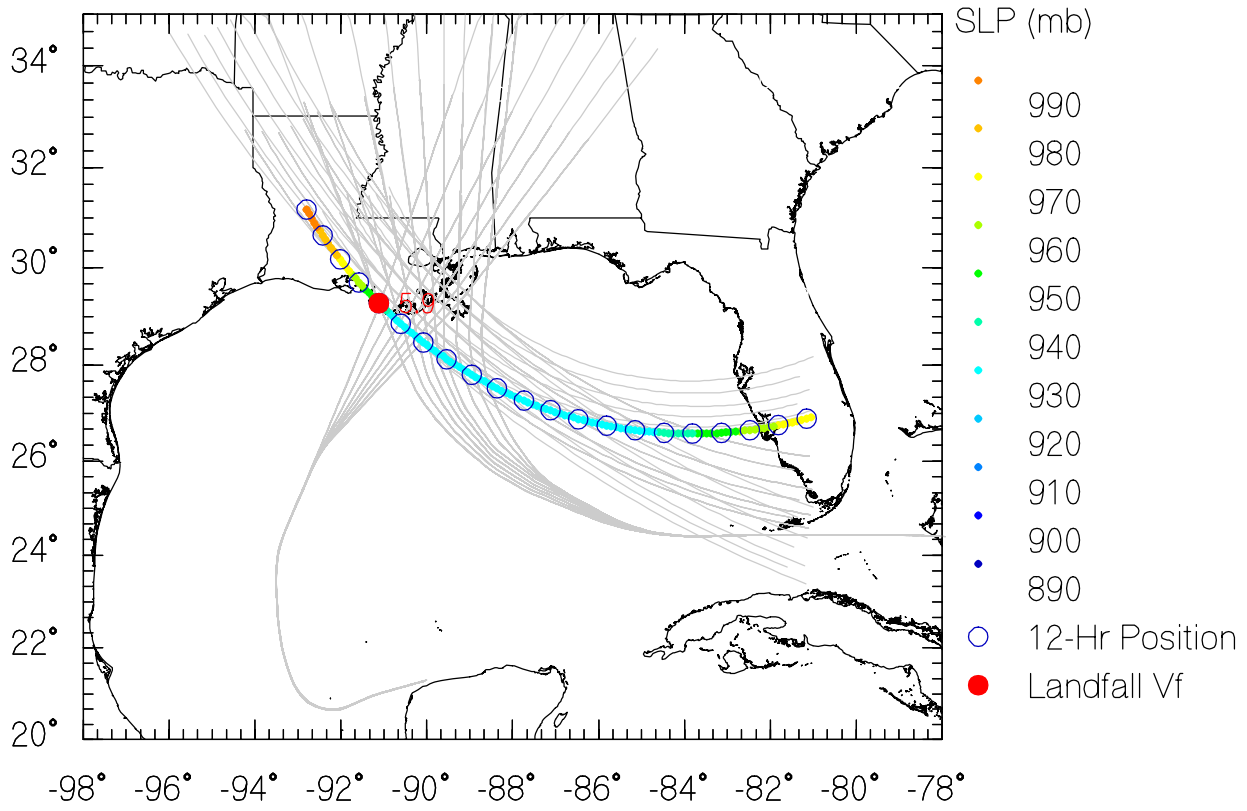

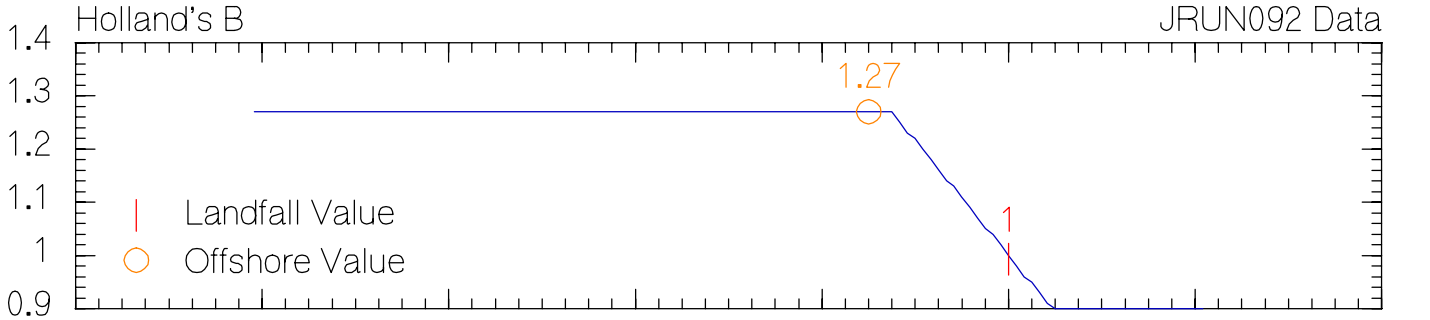

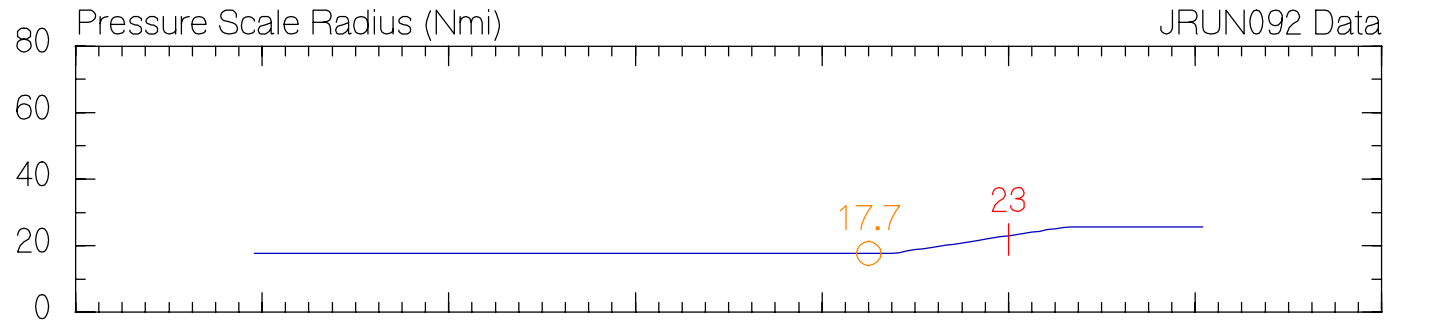

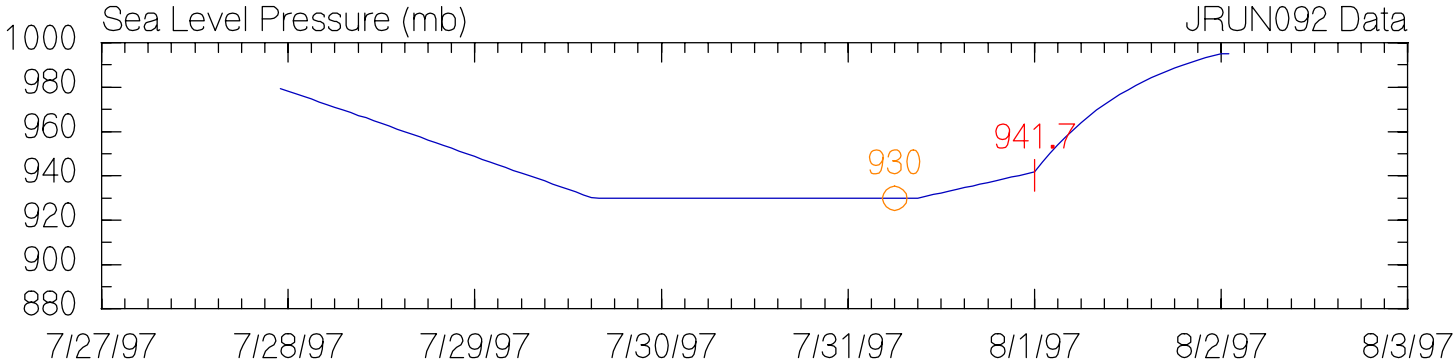

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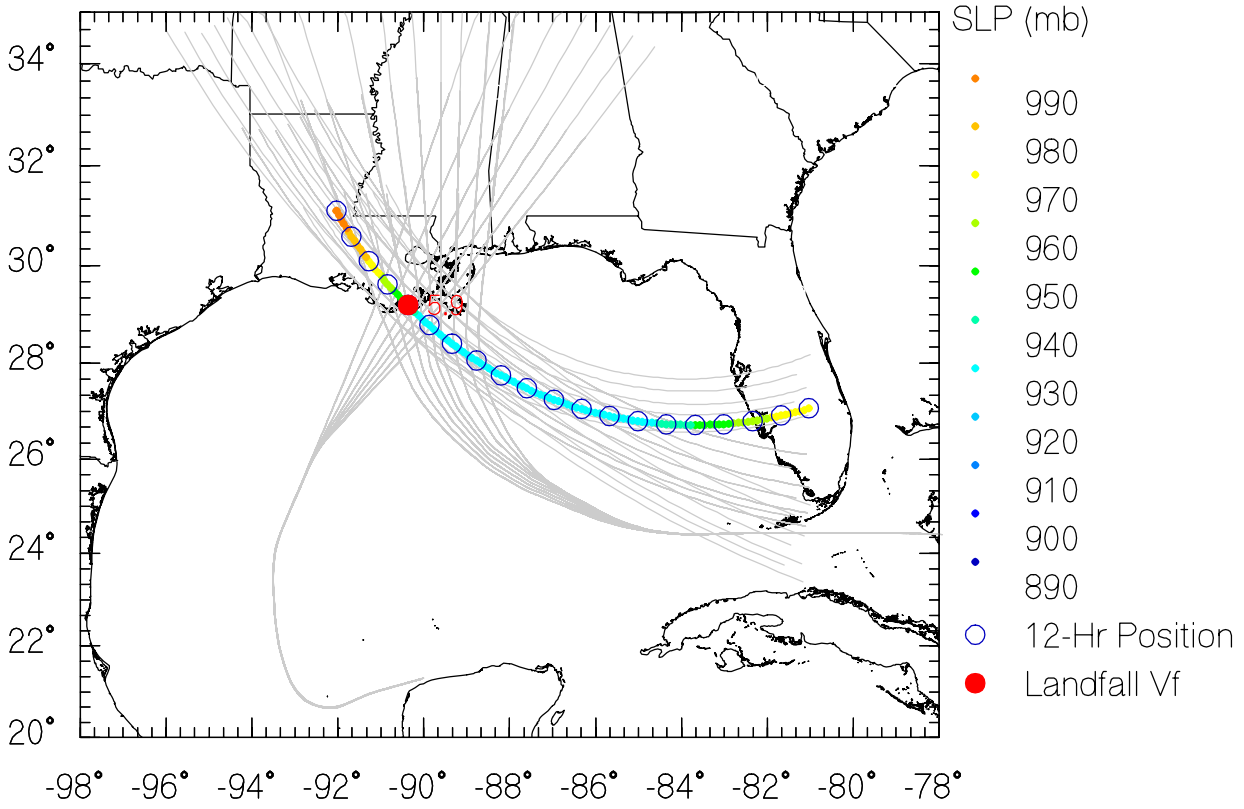

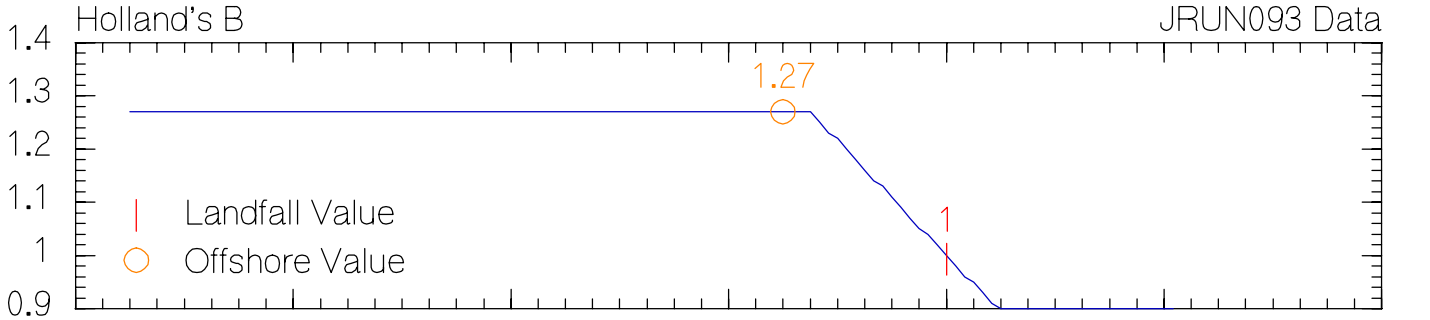

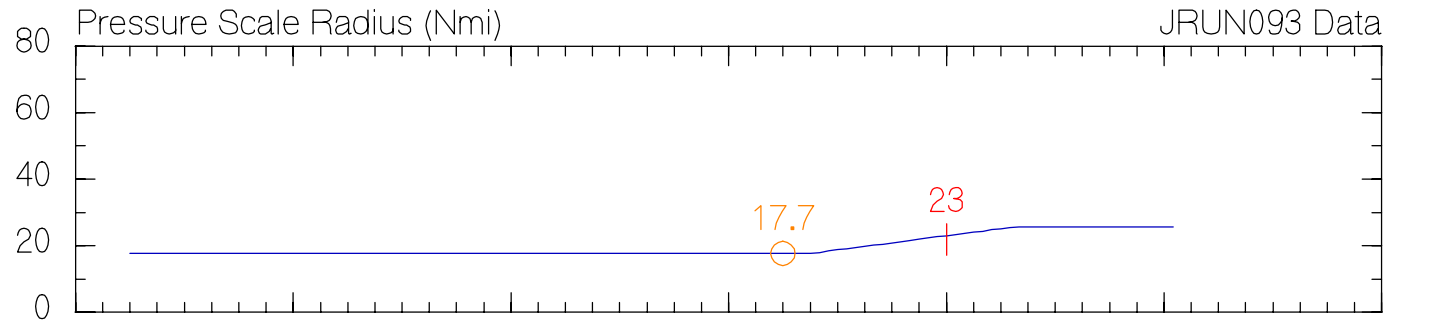

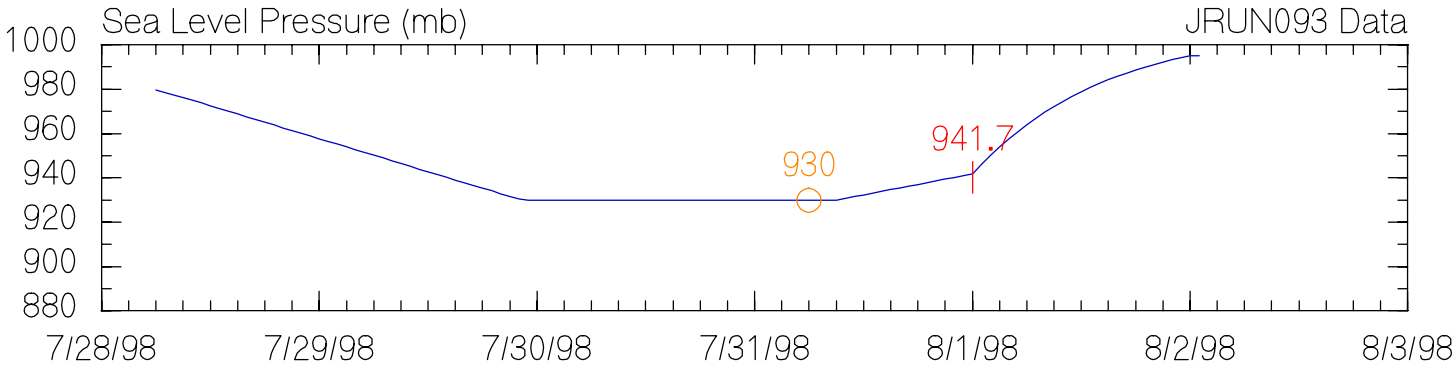

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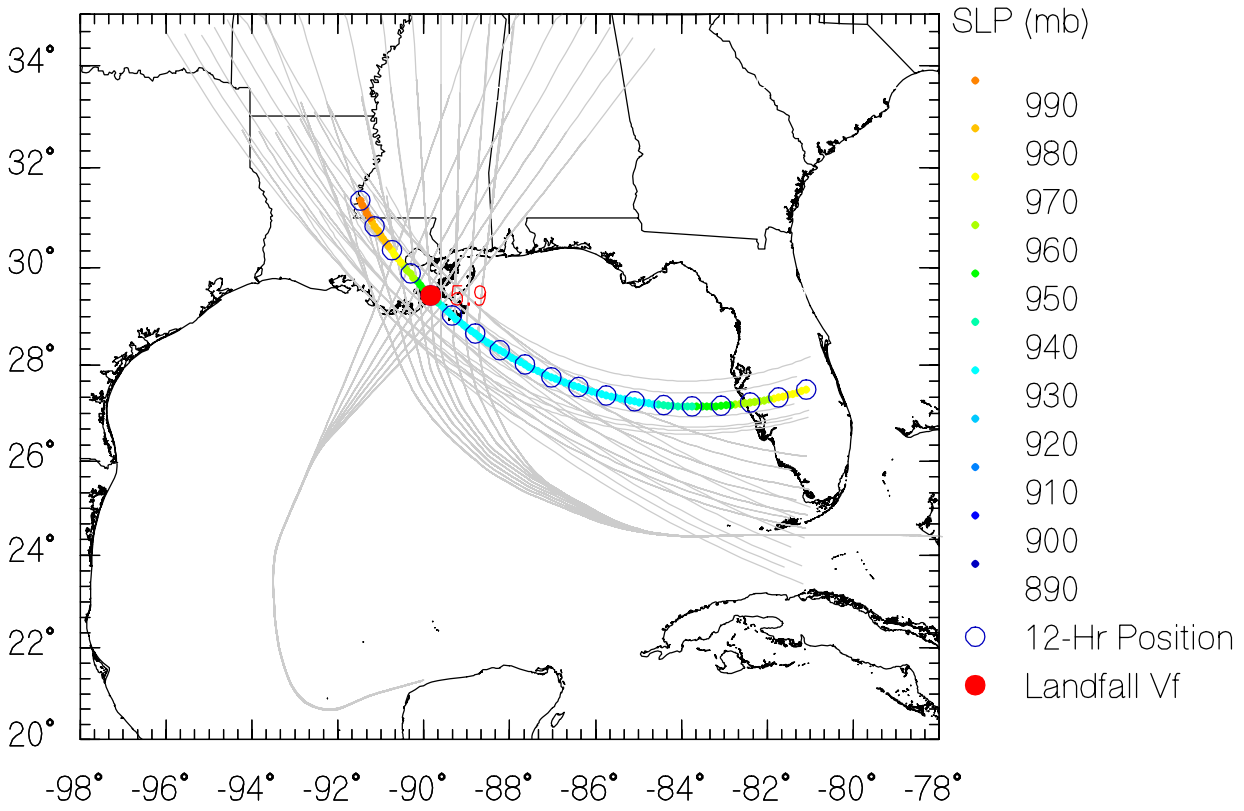

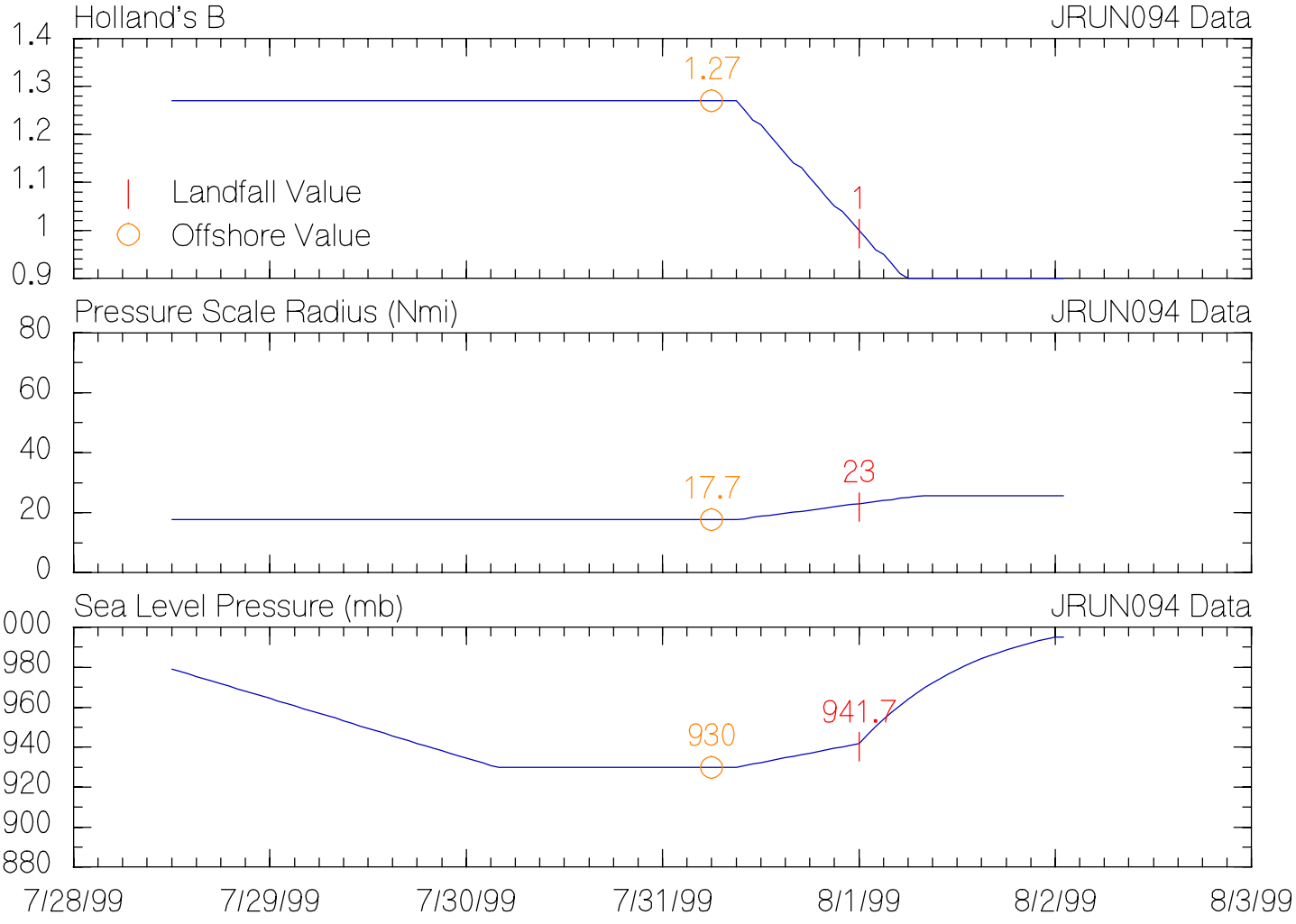

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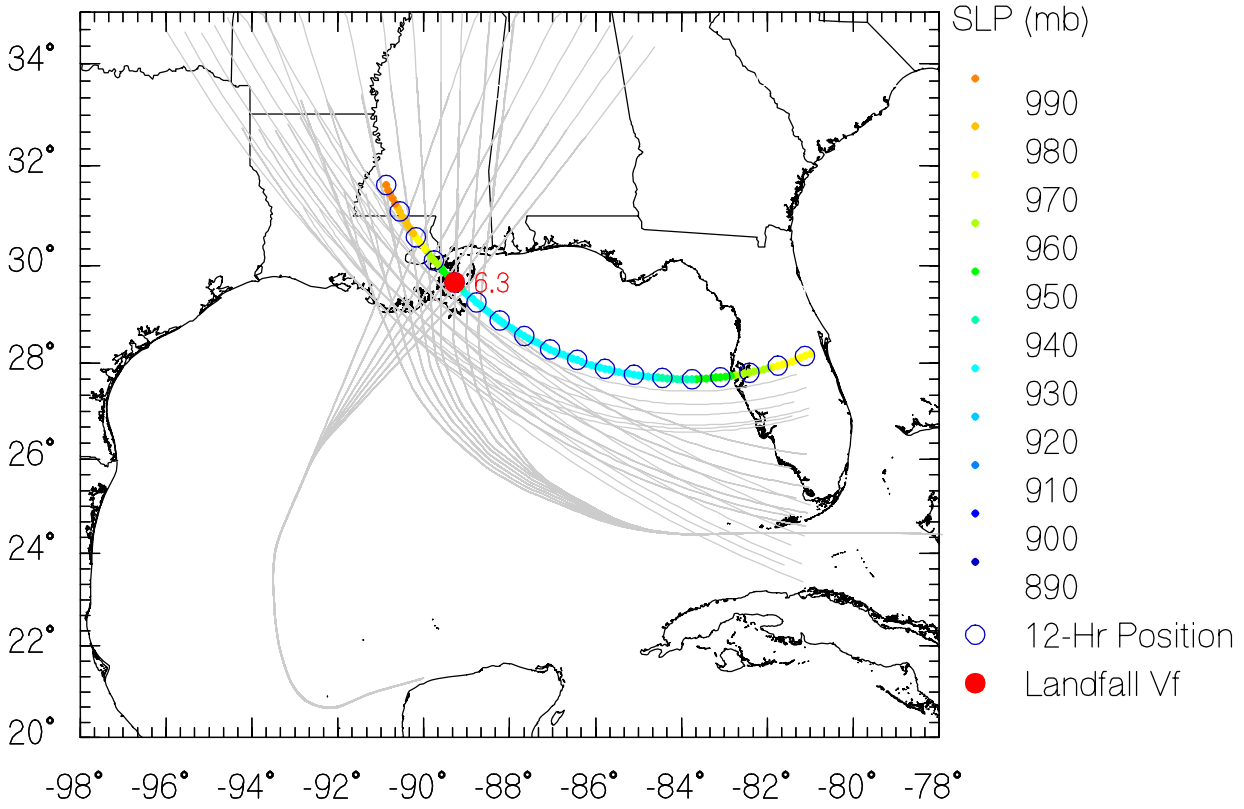

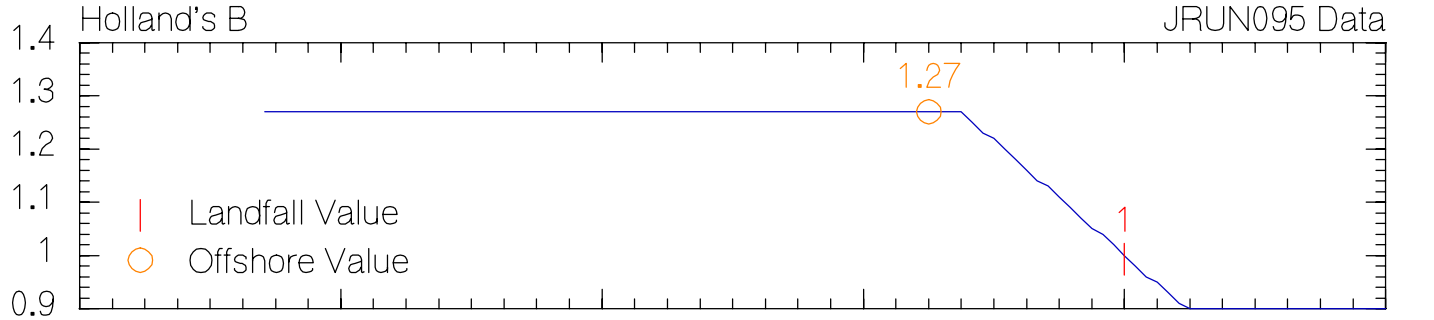

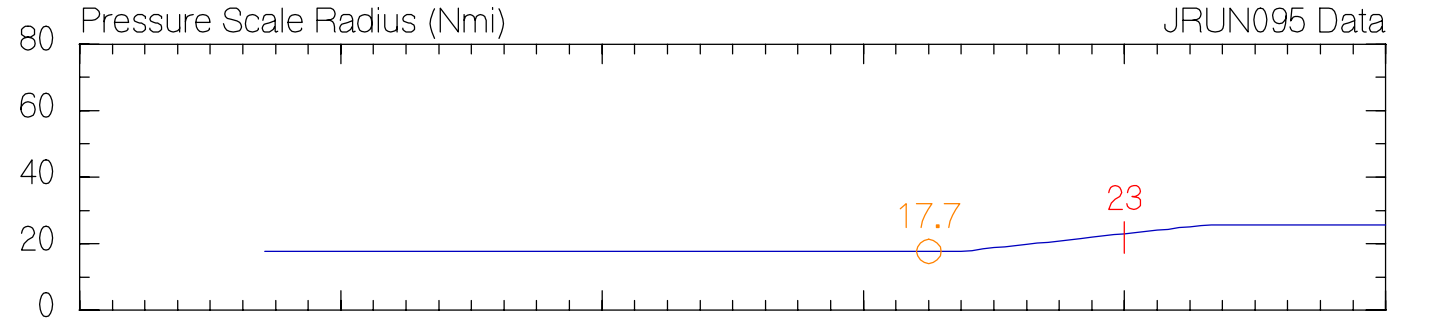

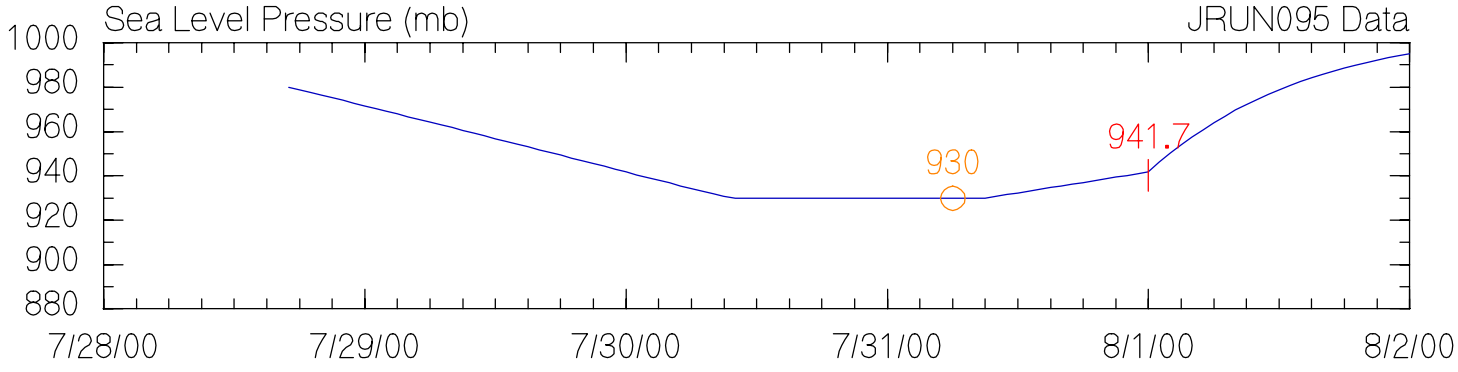

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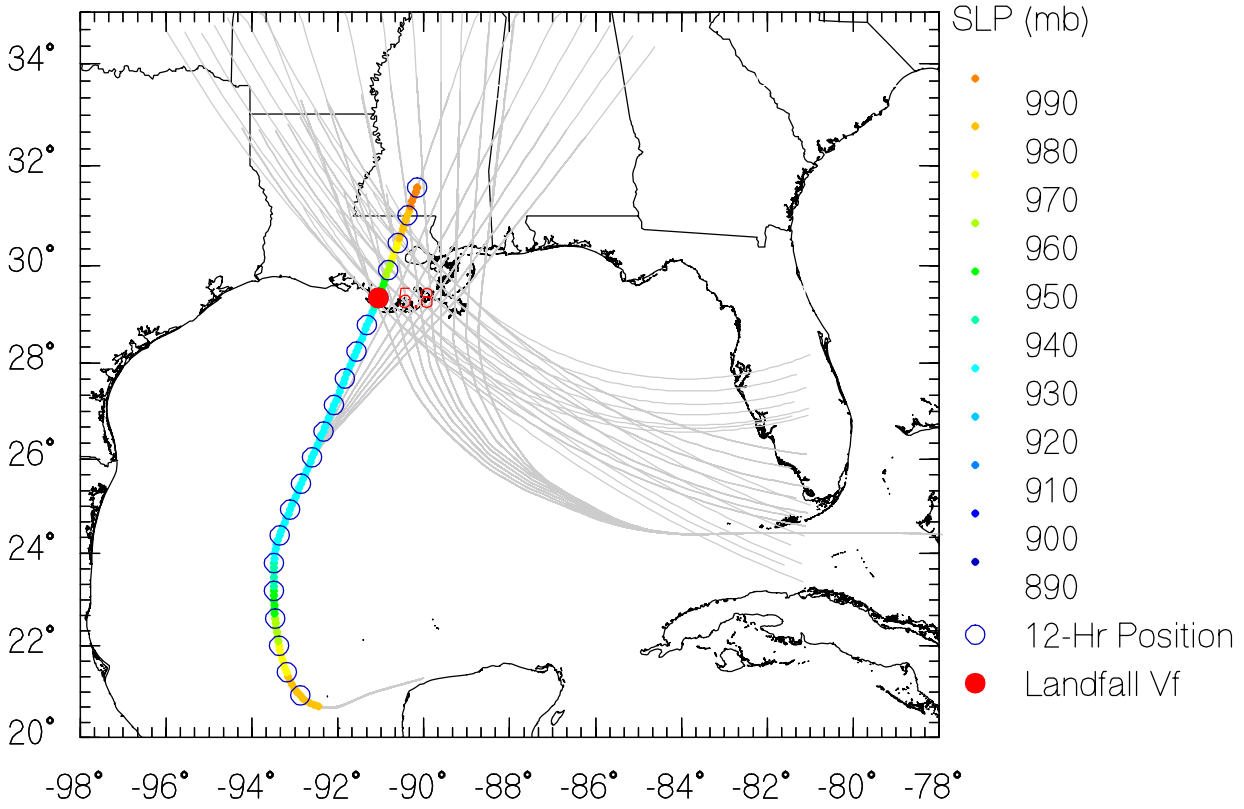

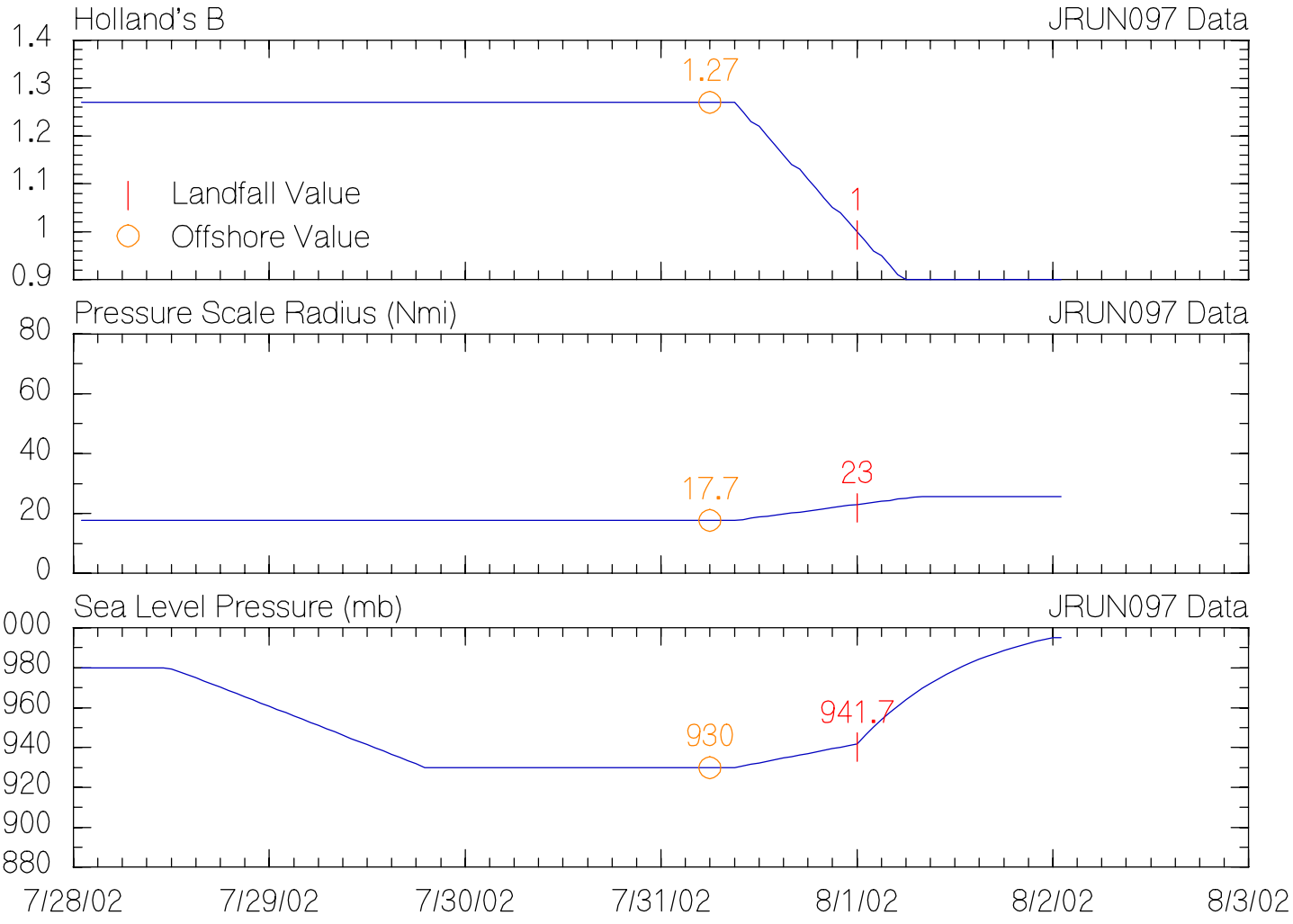

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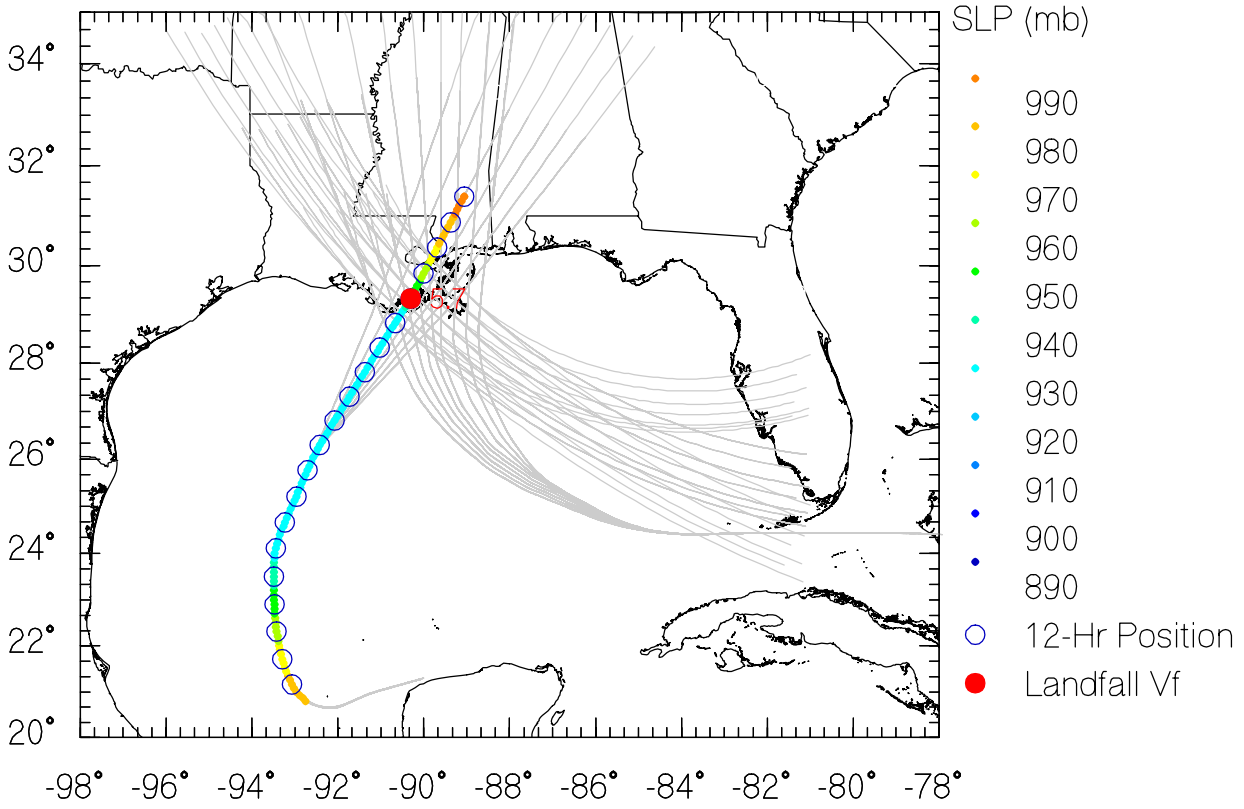

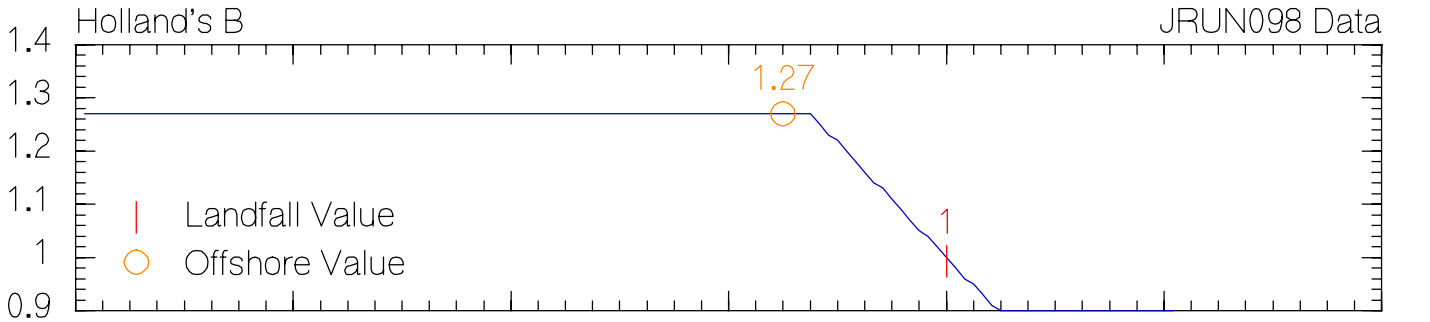

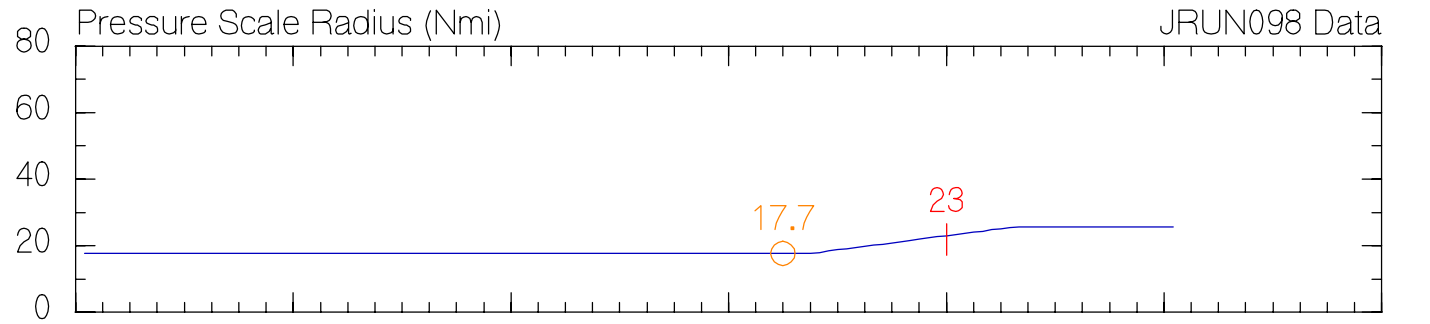

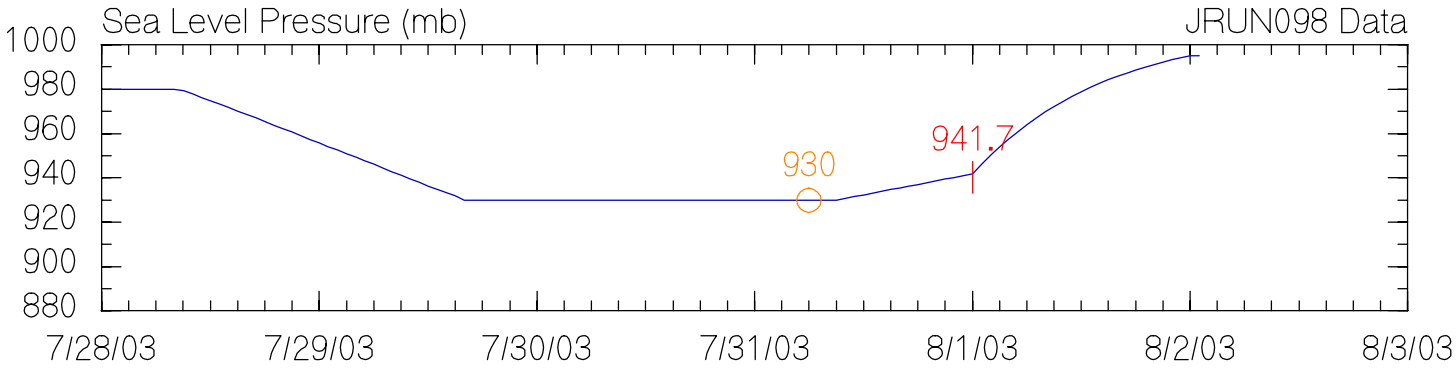

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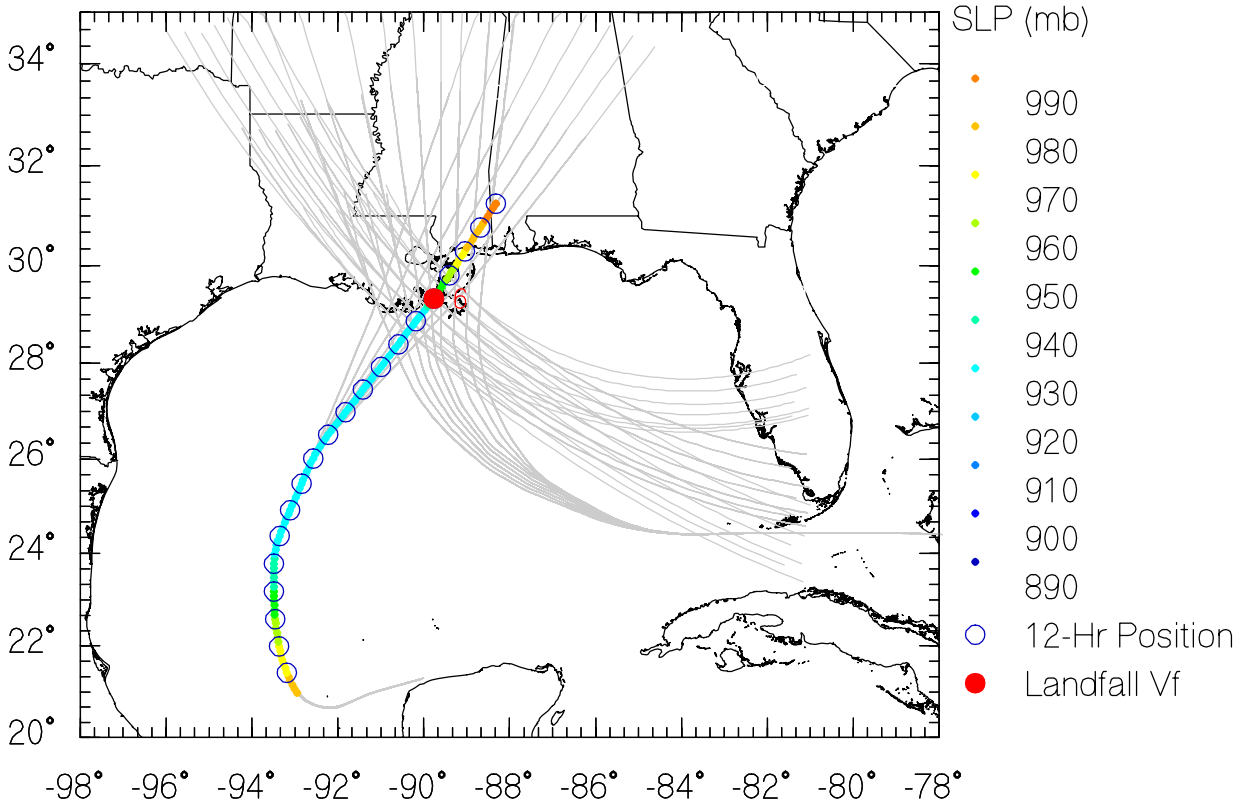

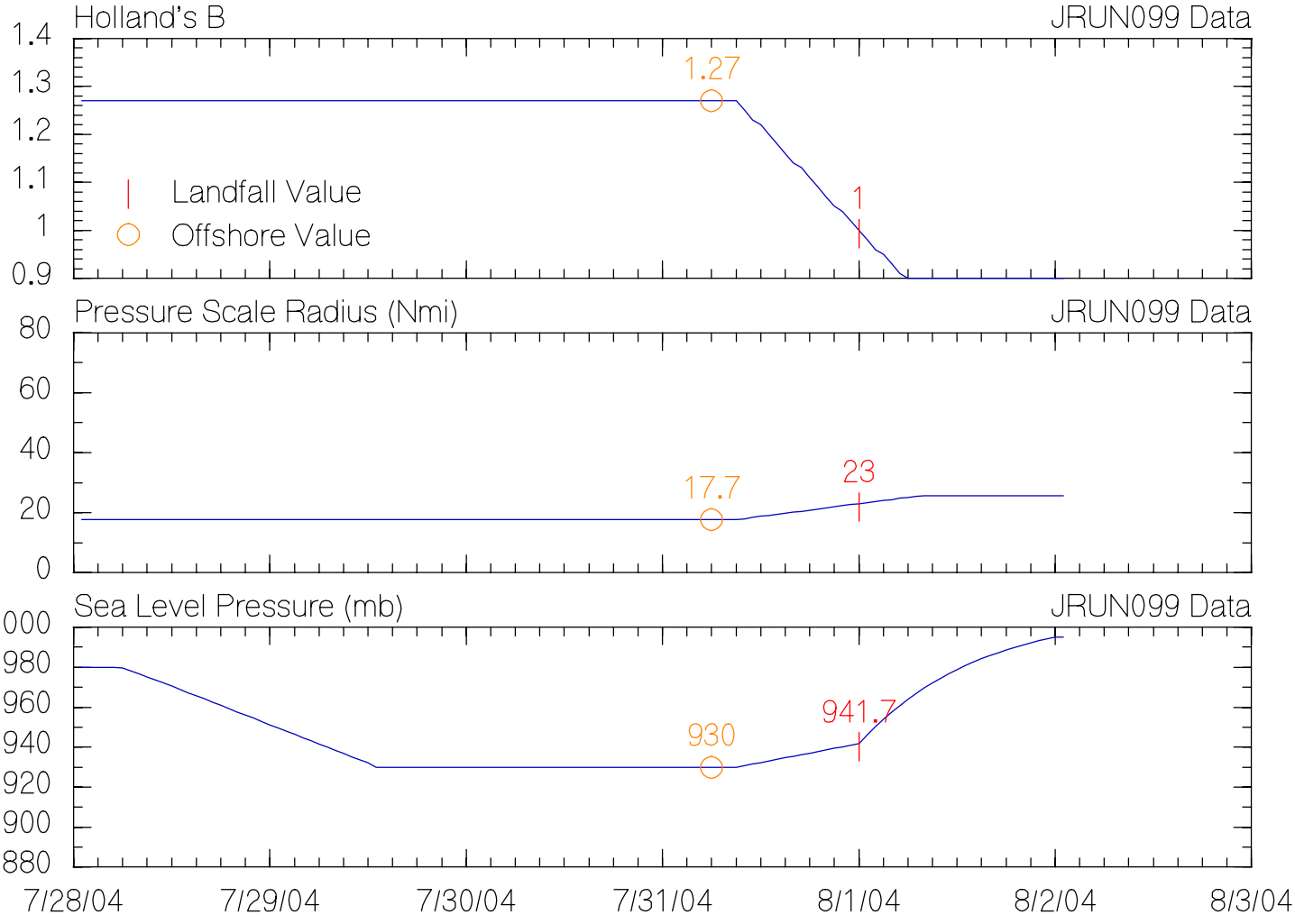

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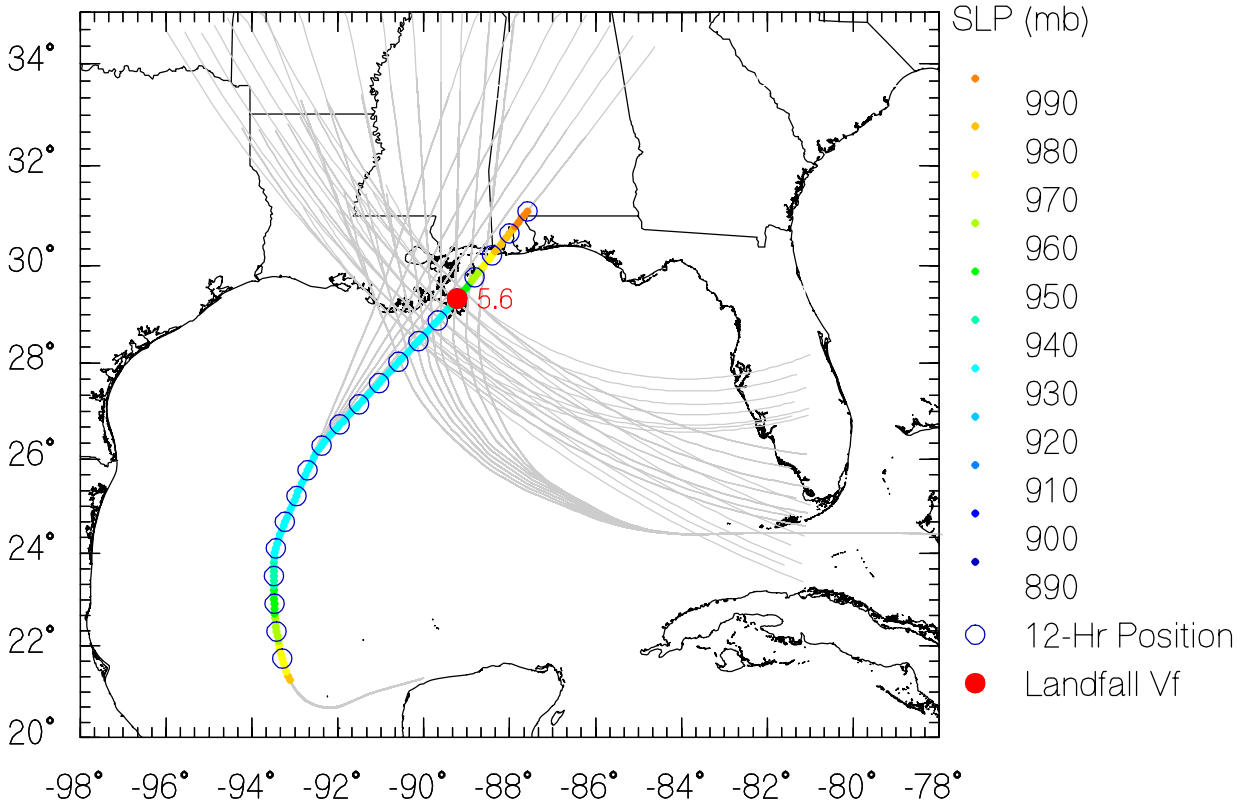

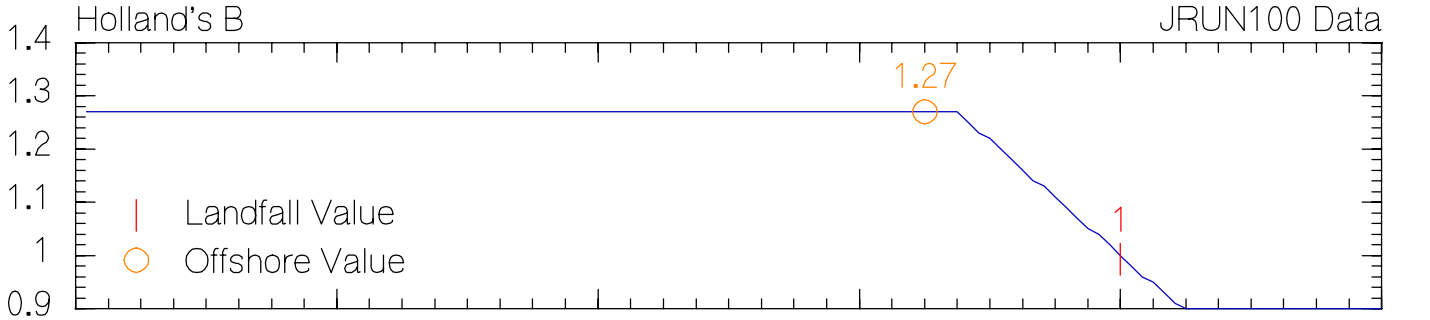

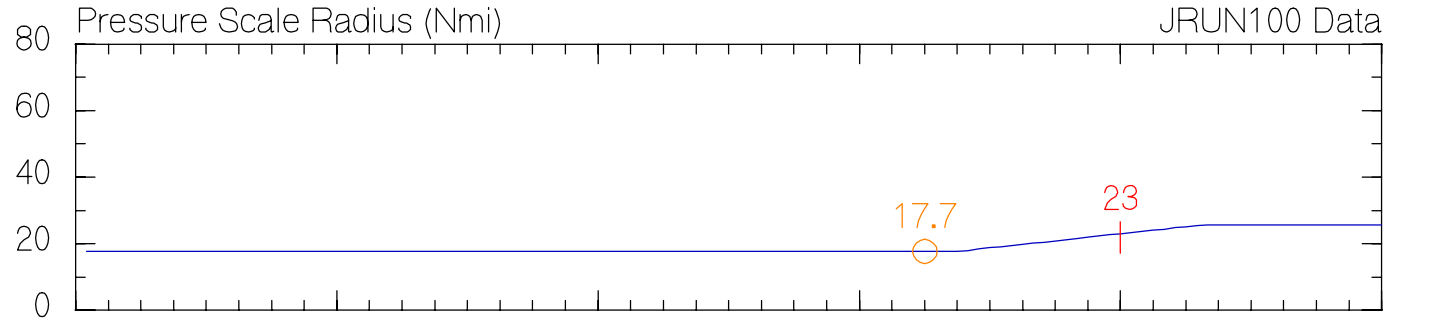

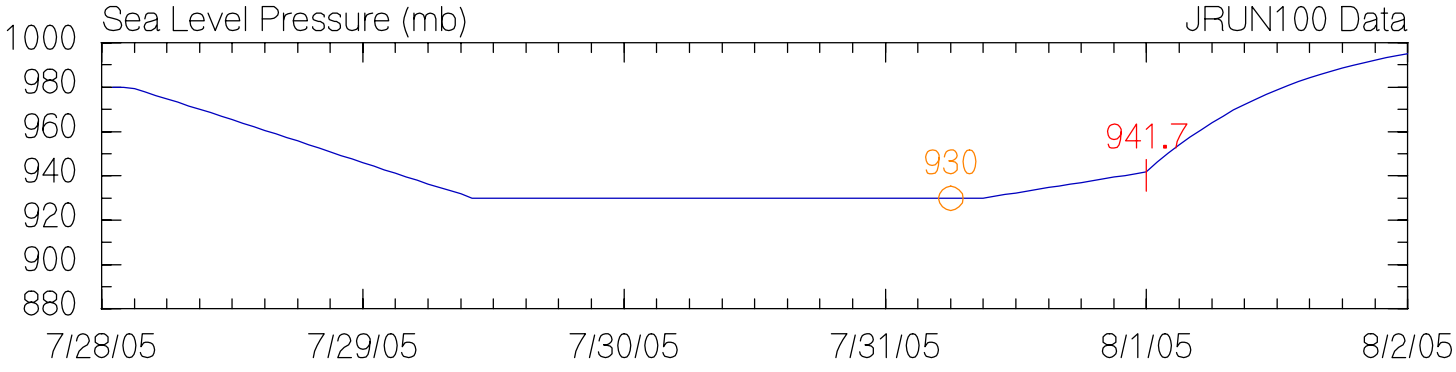

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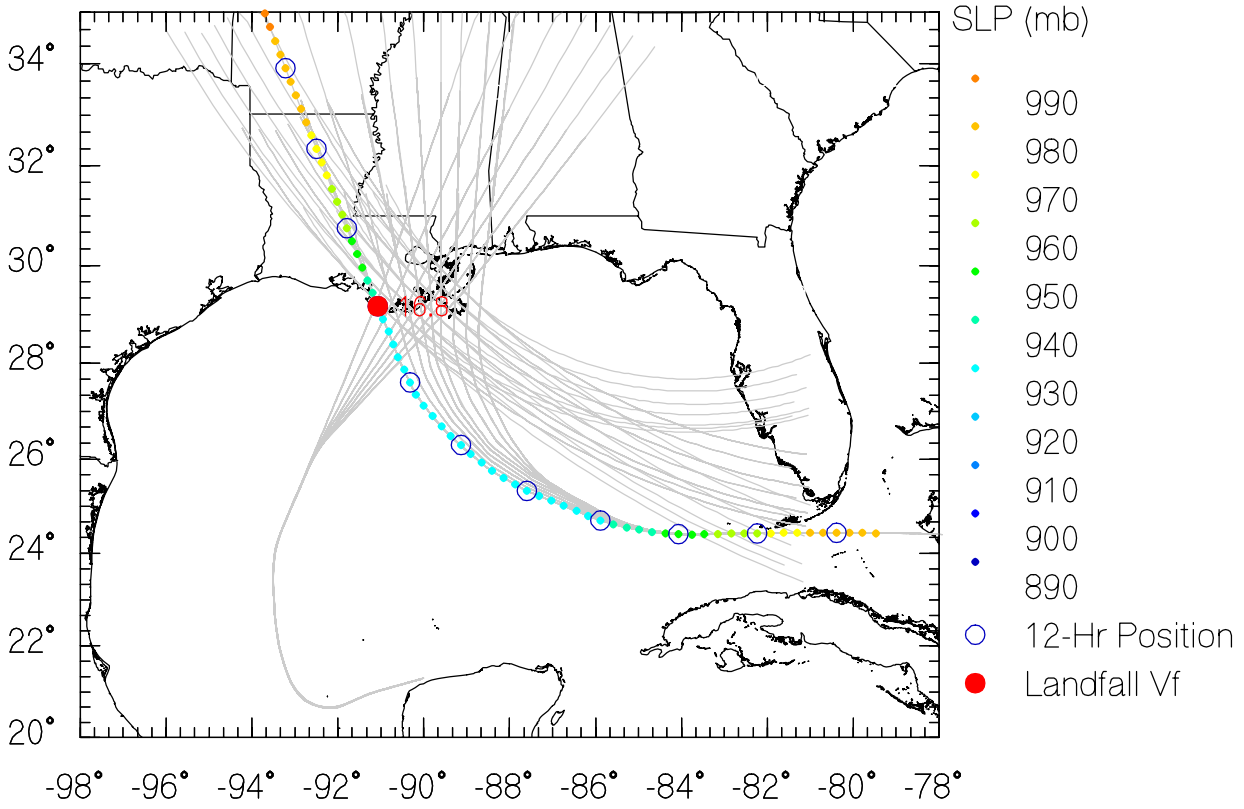

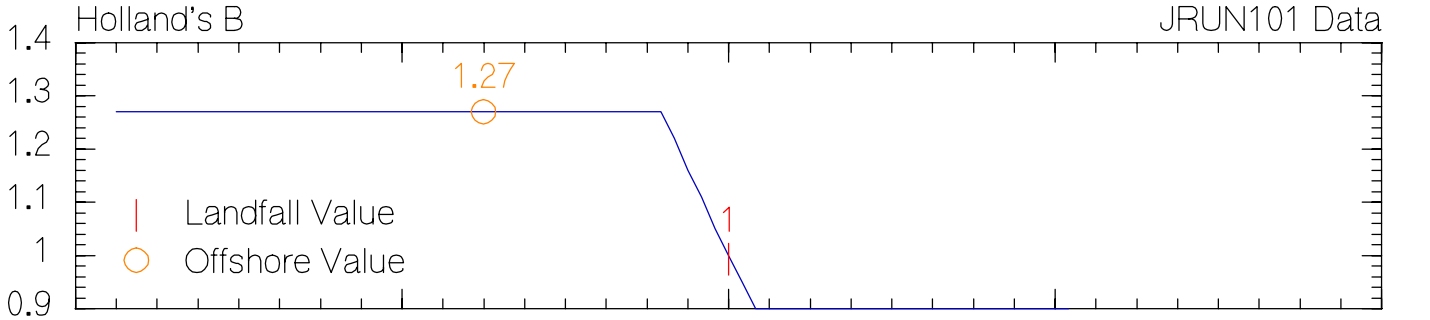

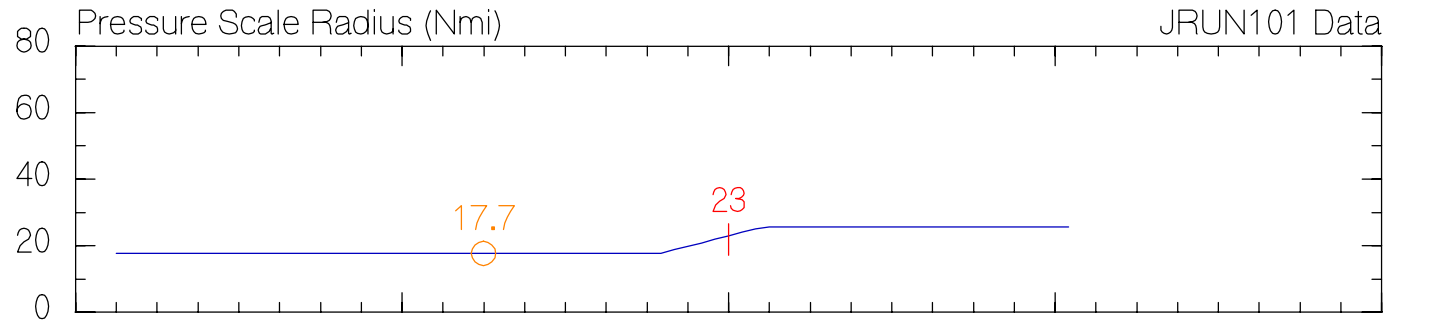

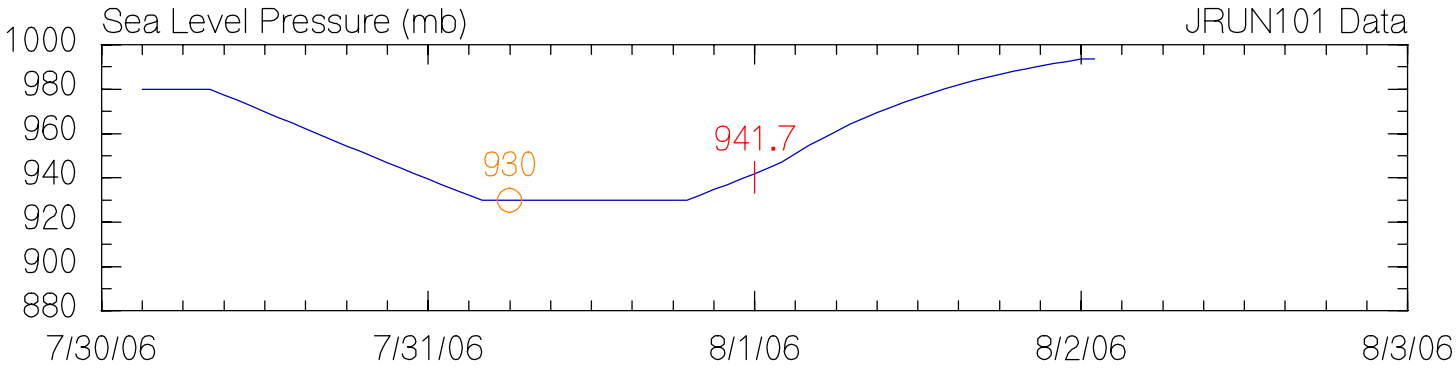

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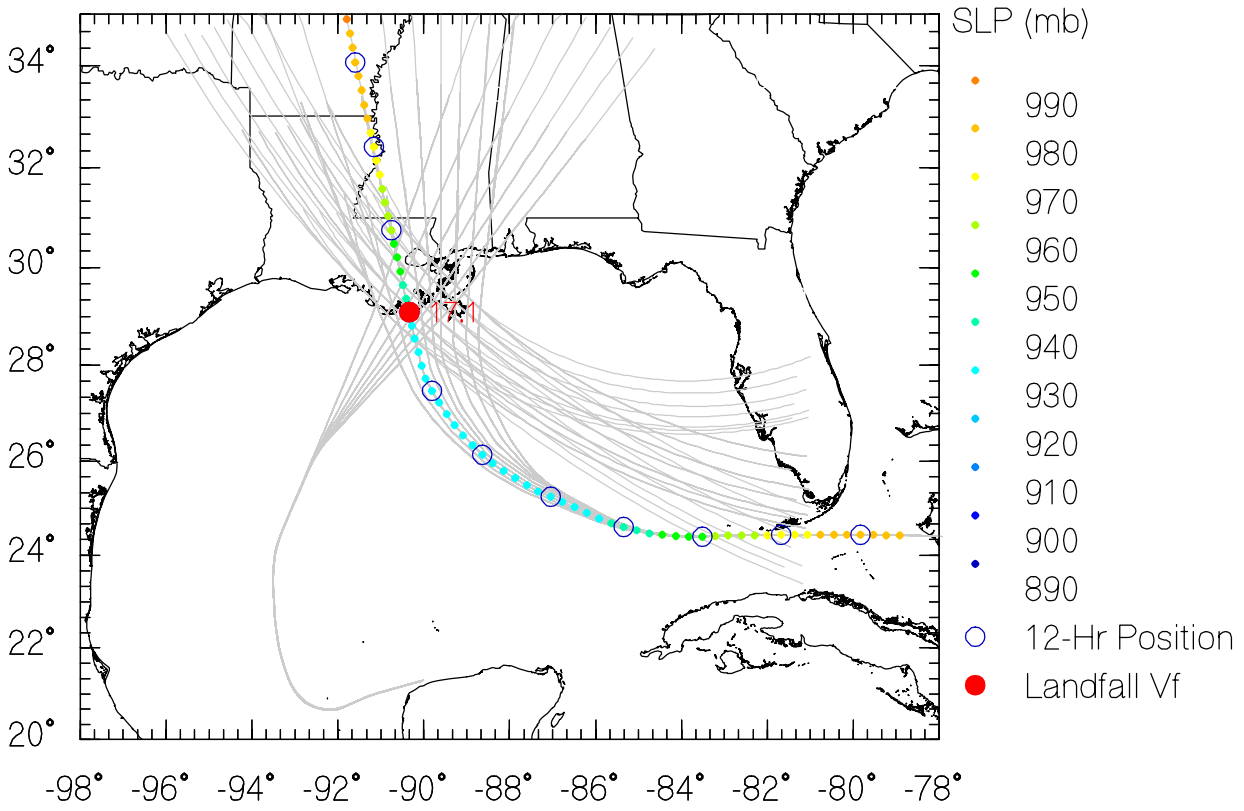

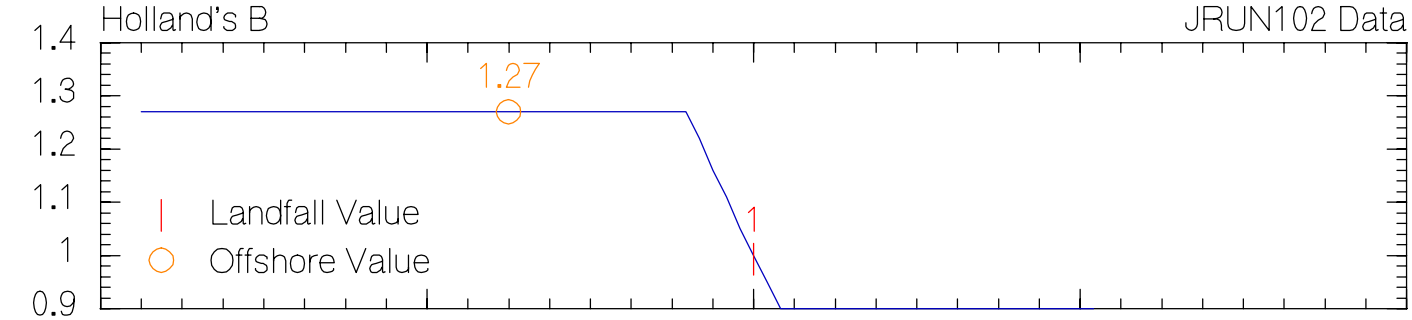

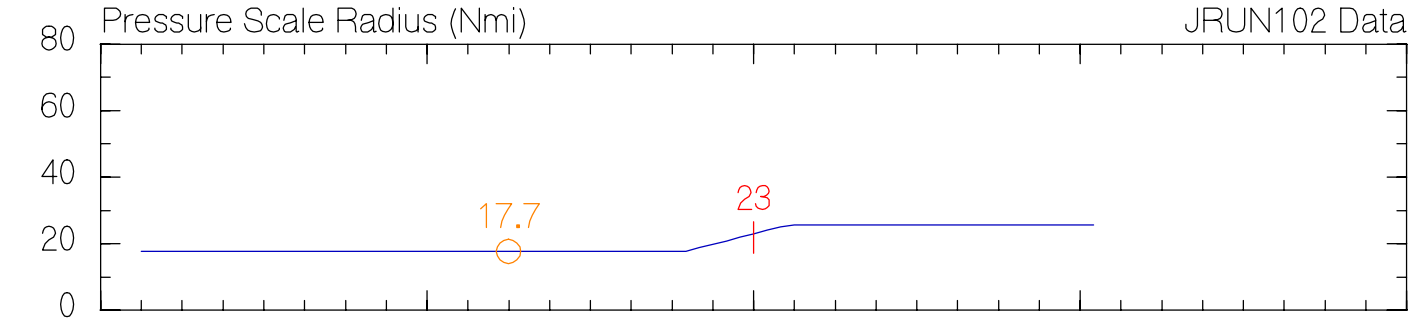

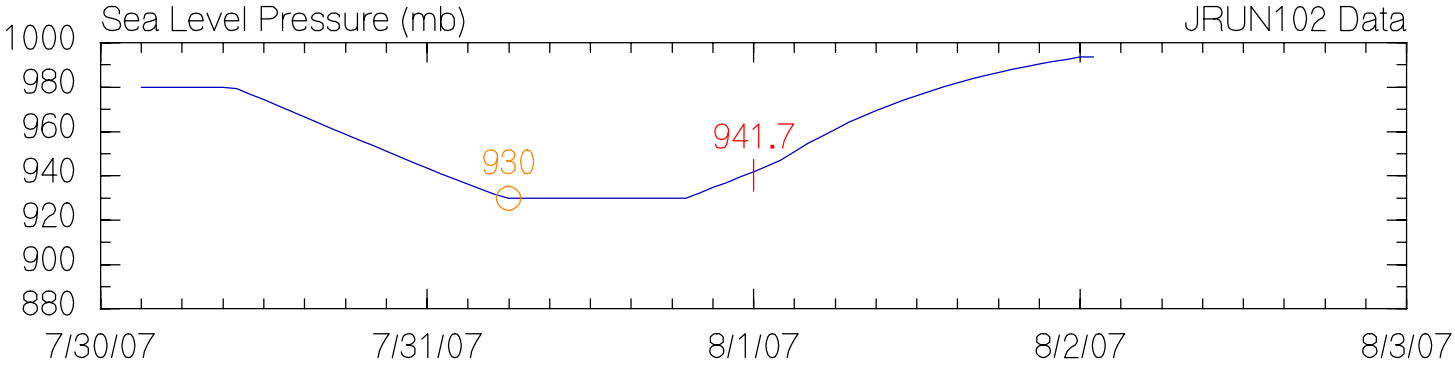

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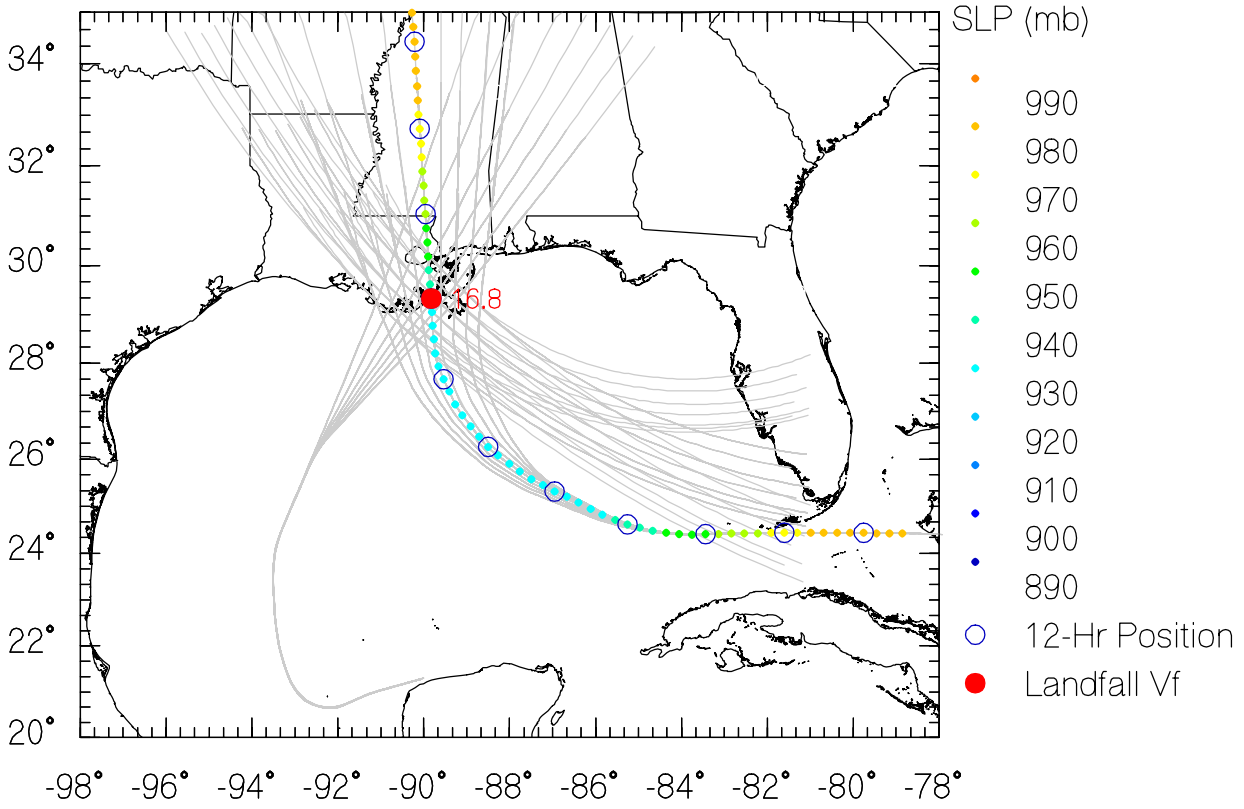
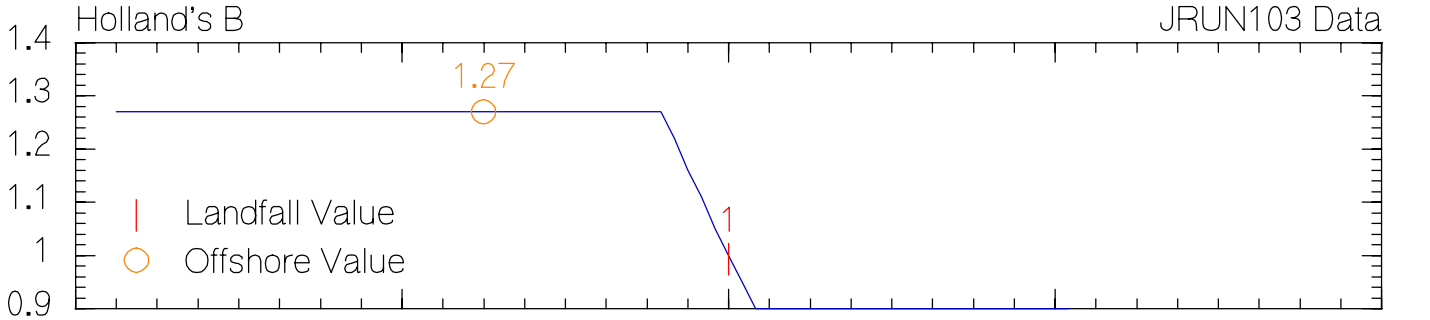
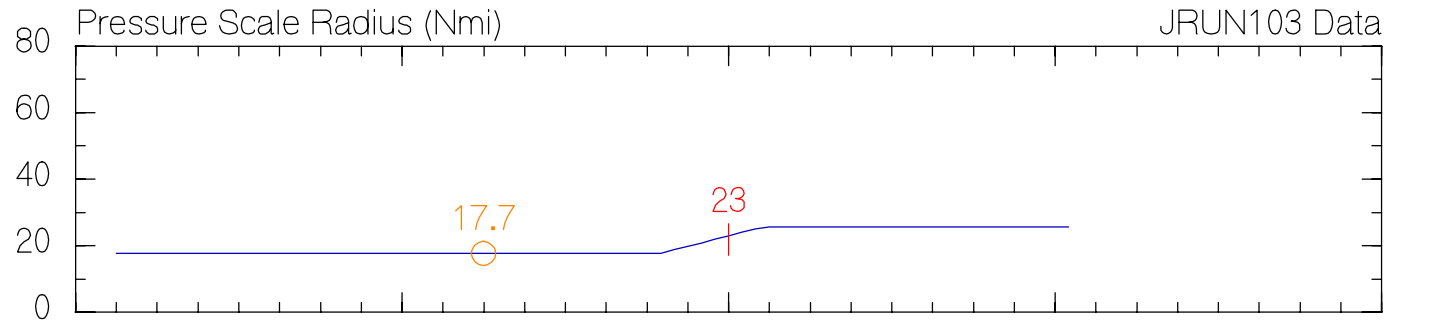
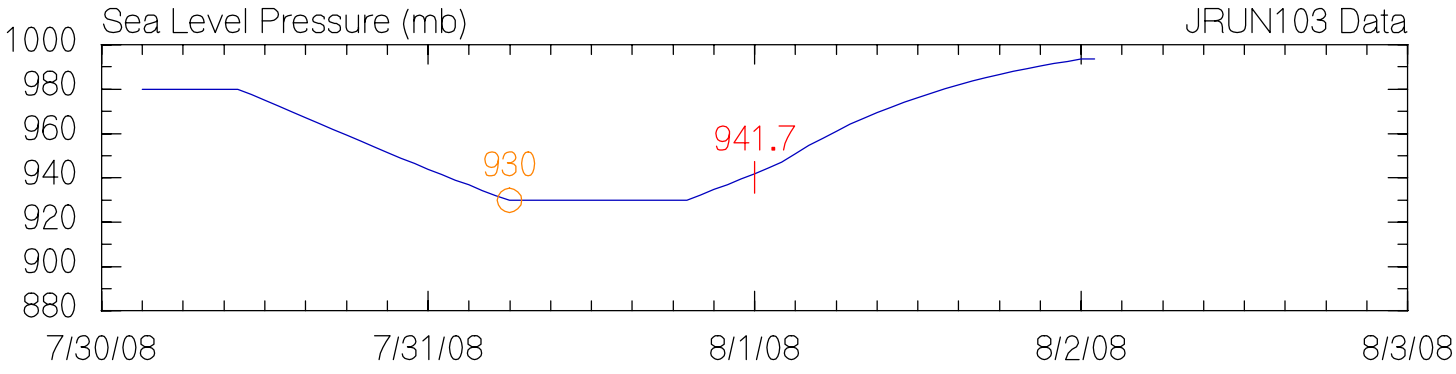
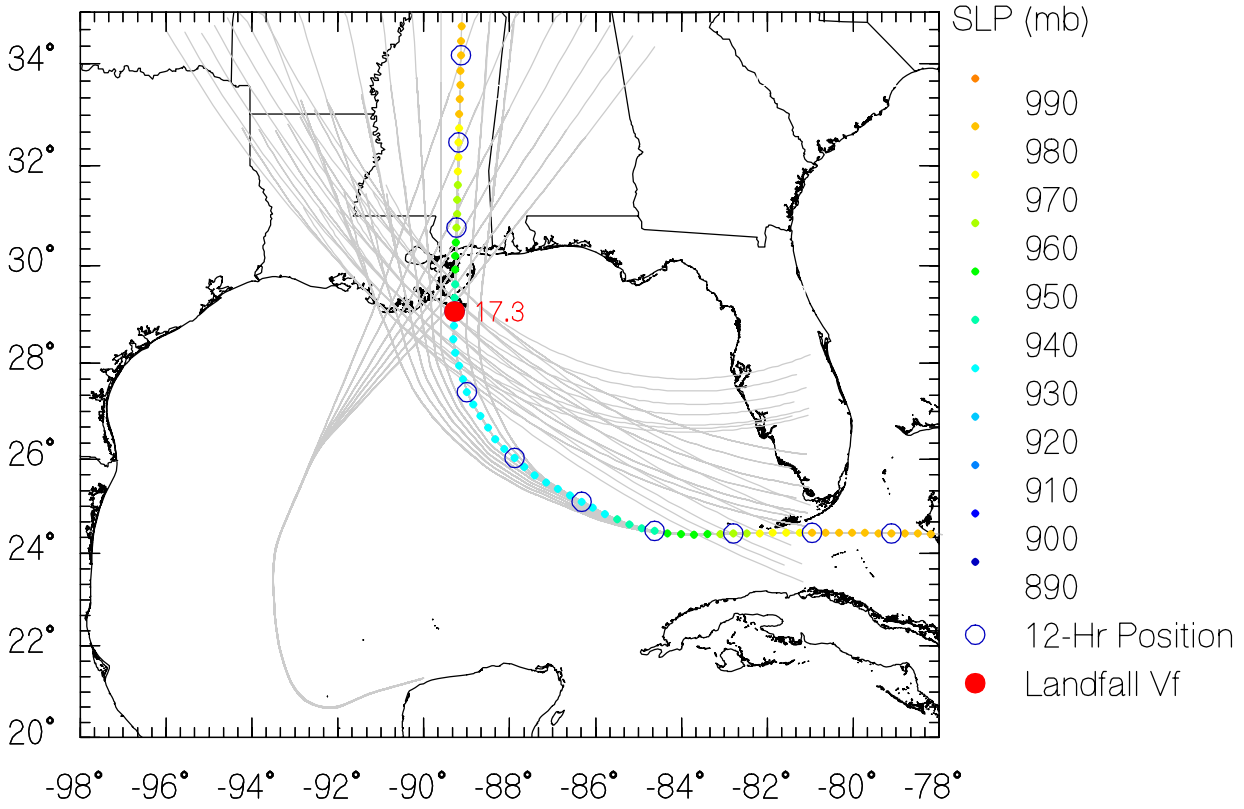


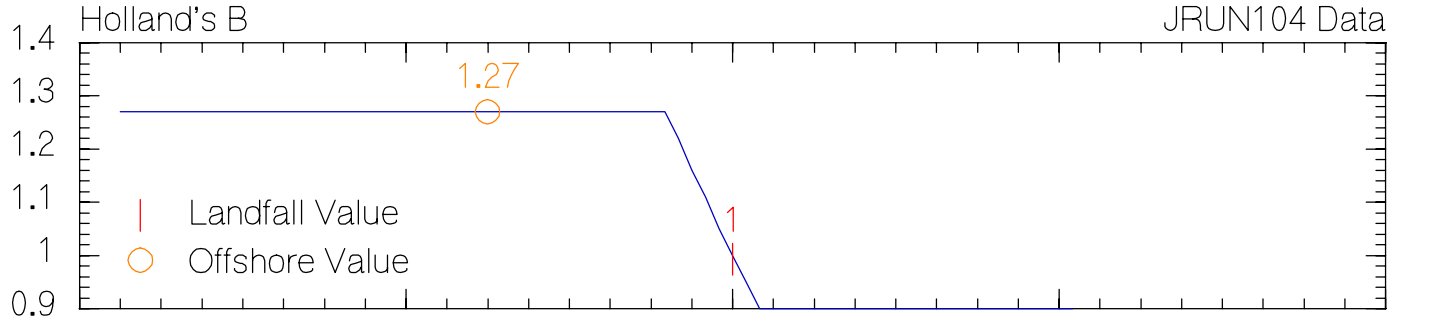


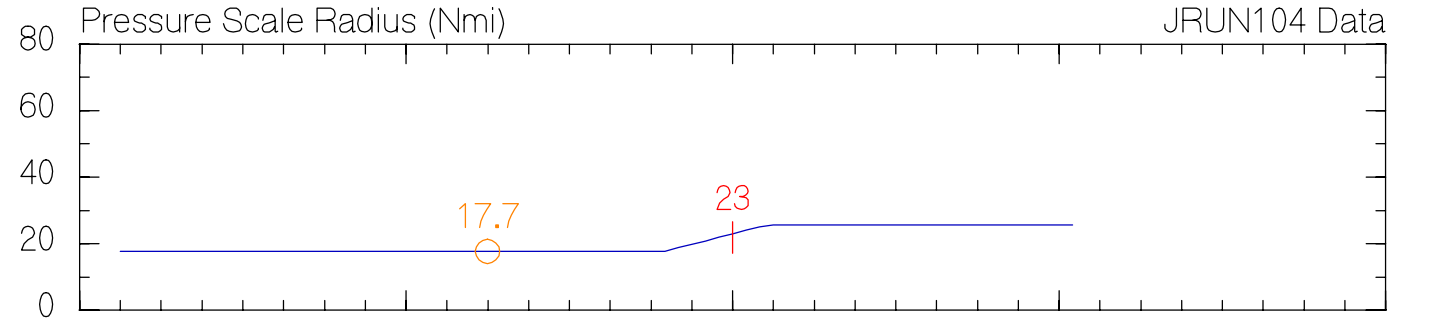


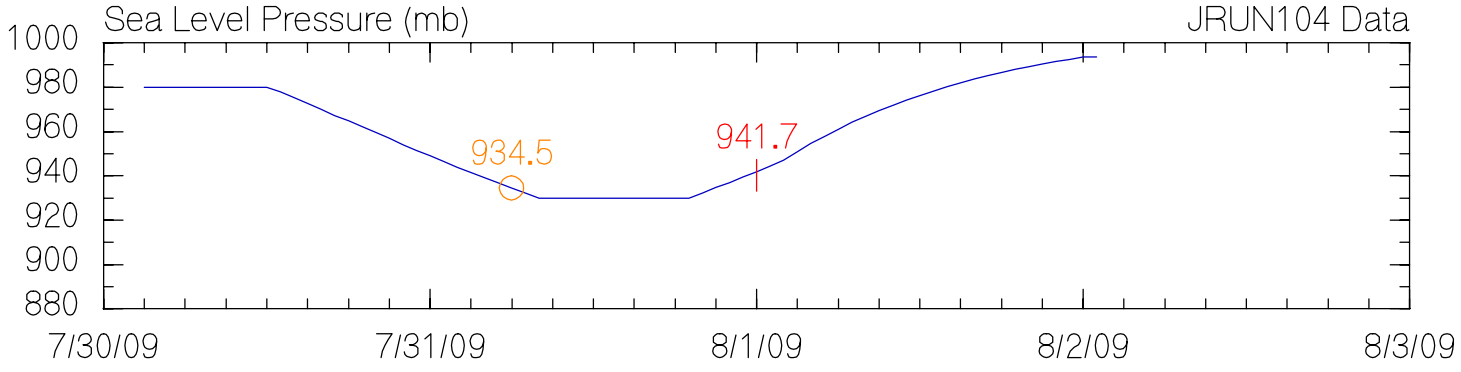


JRUN104 Data

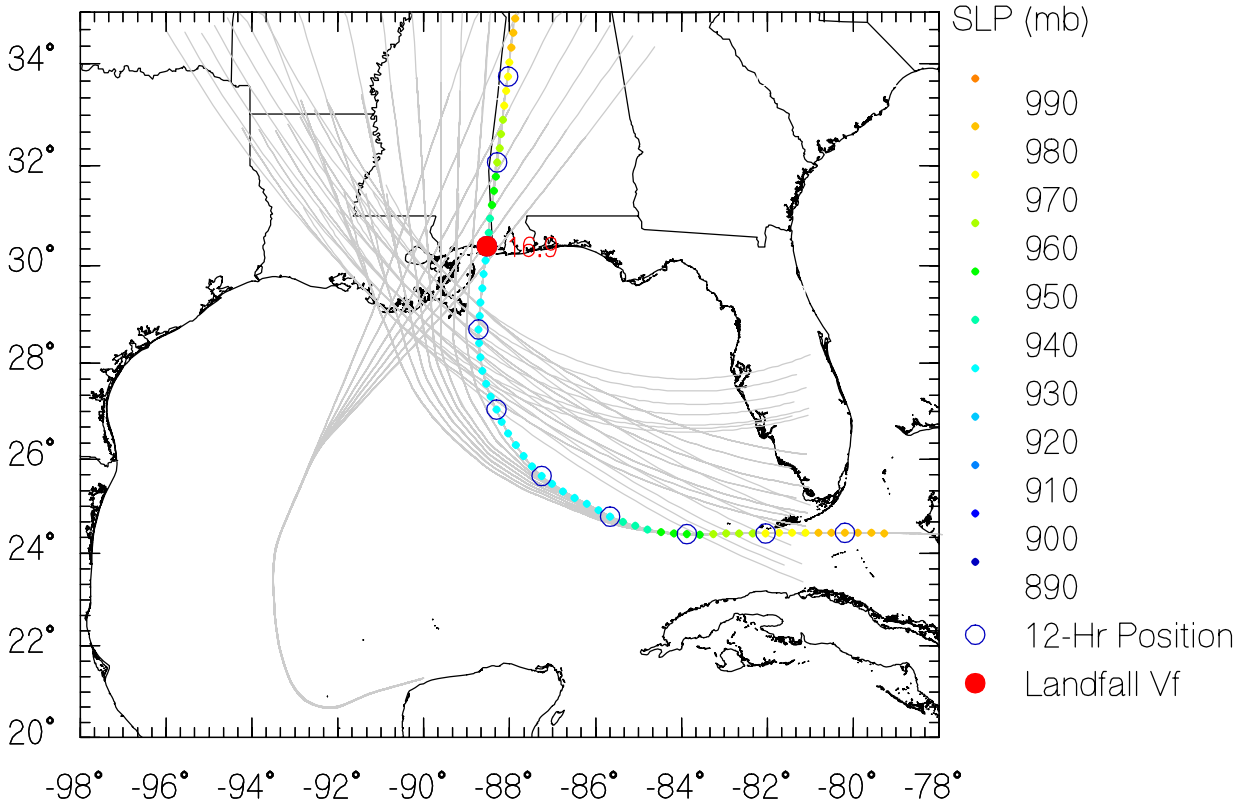


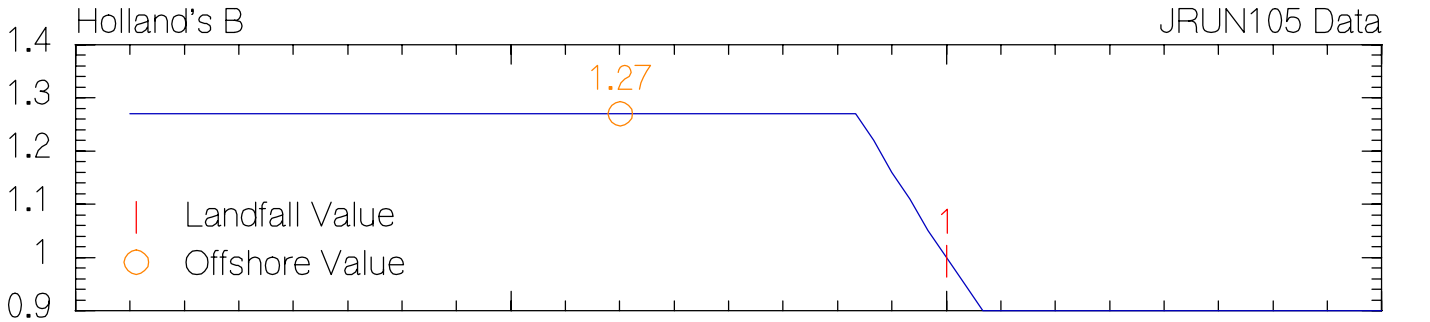


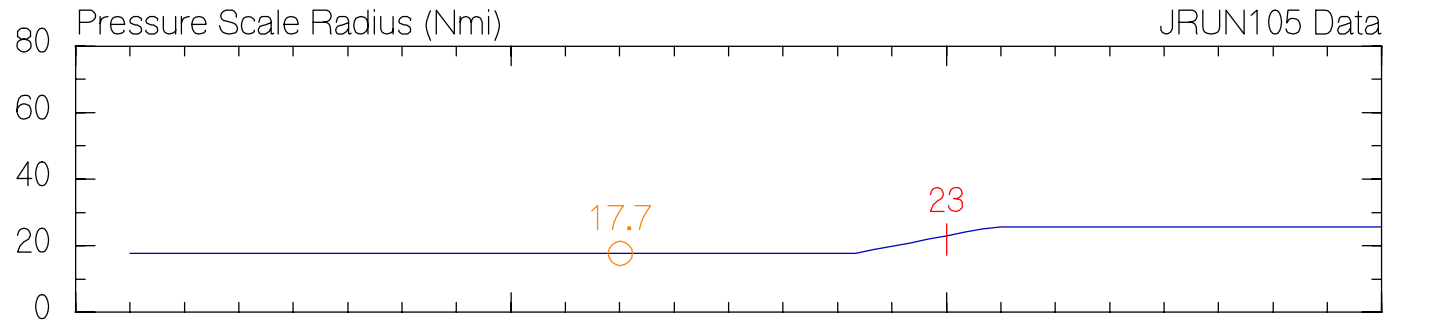


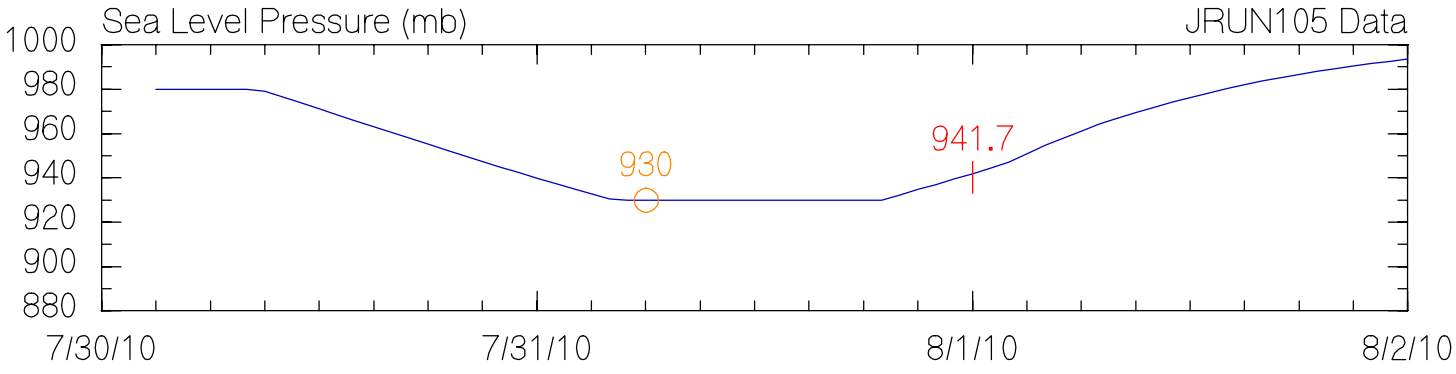


JRUN105 Data

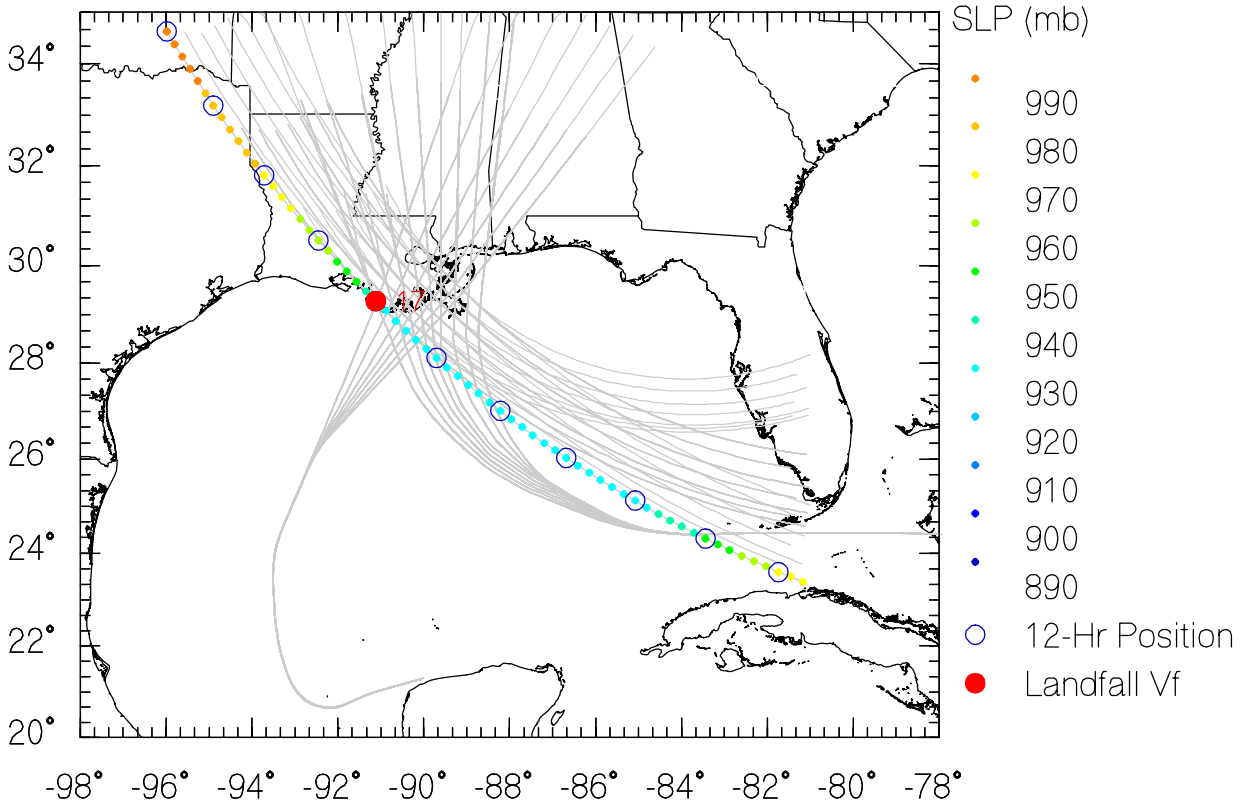


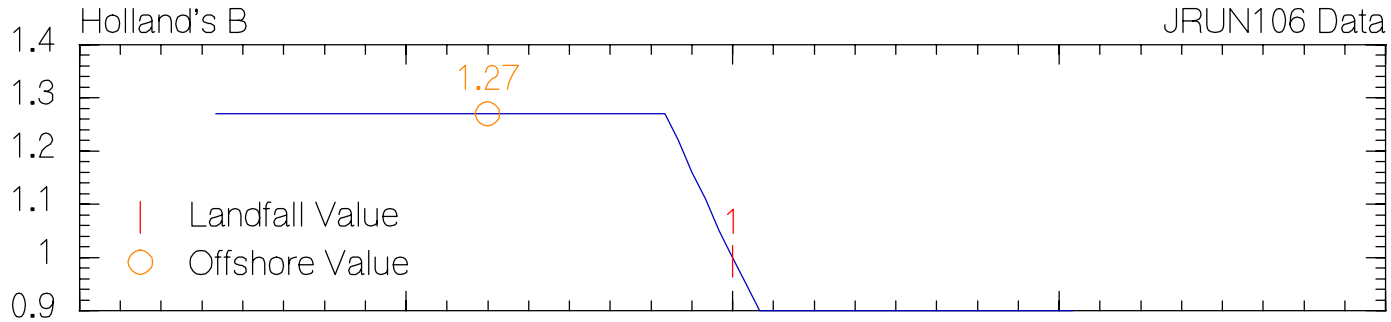


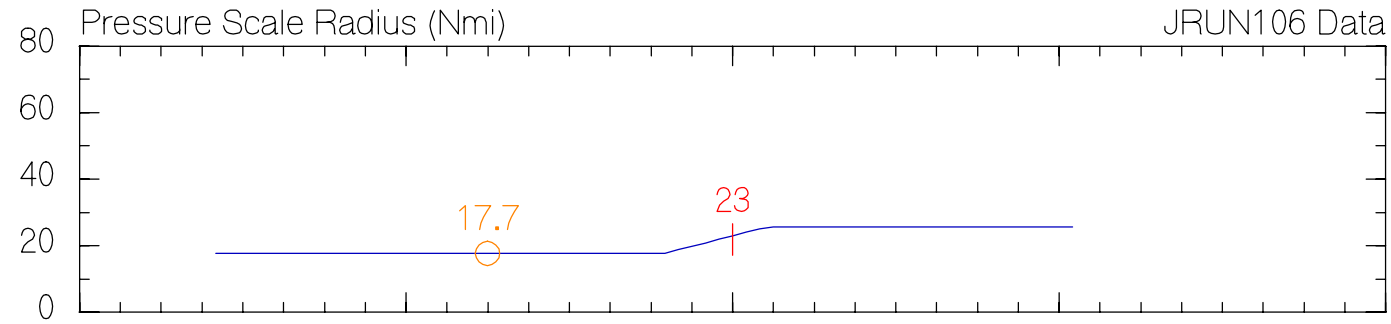


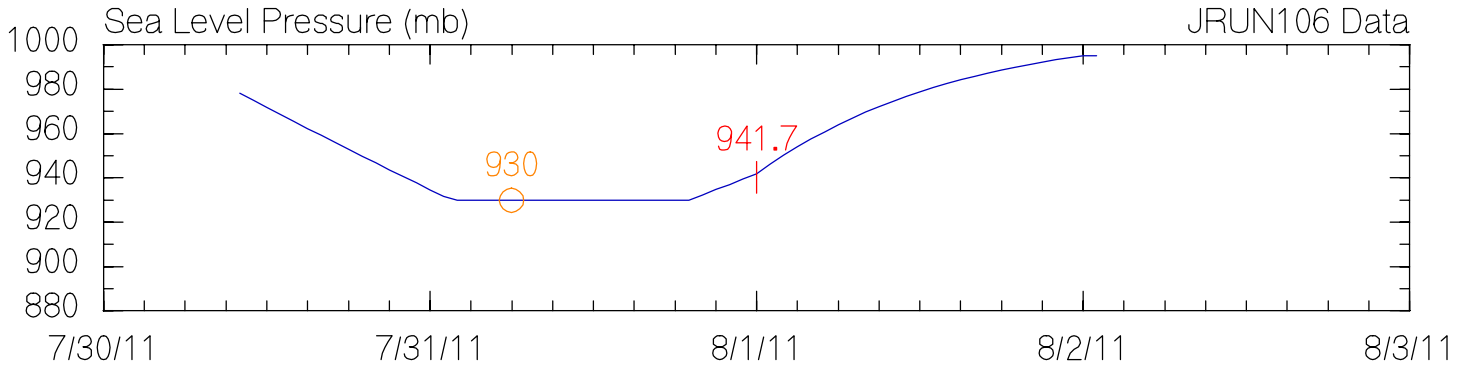


JRUN106 Data

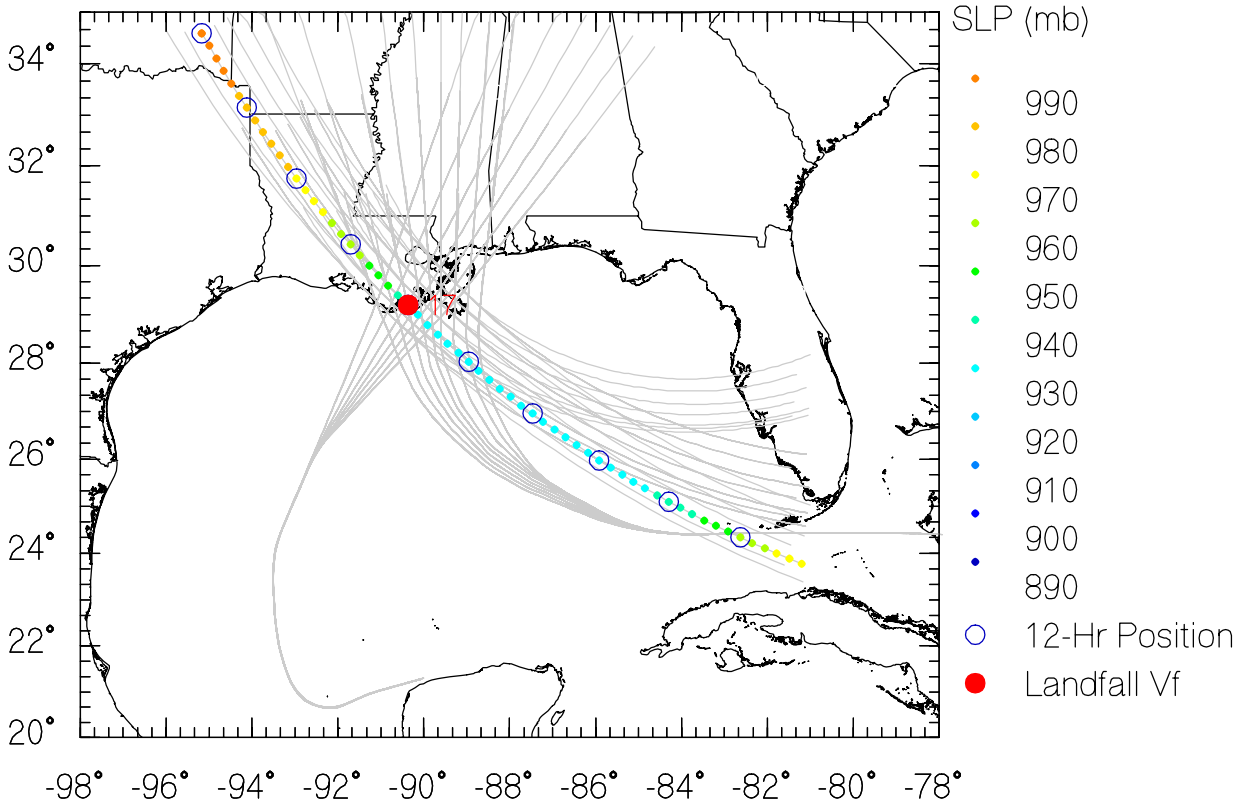


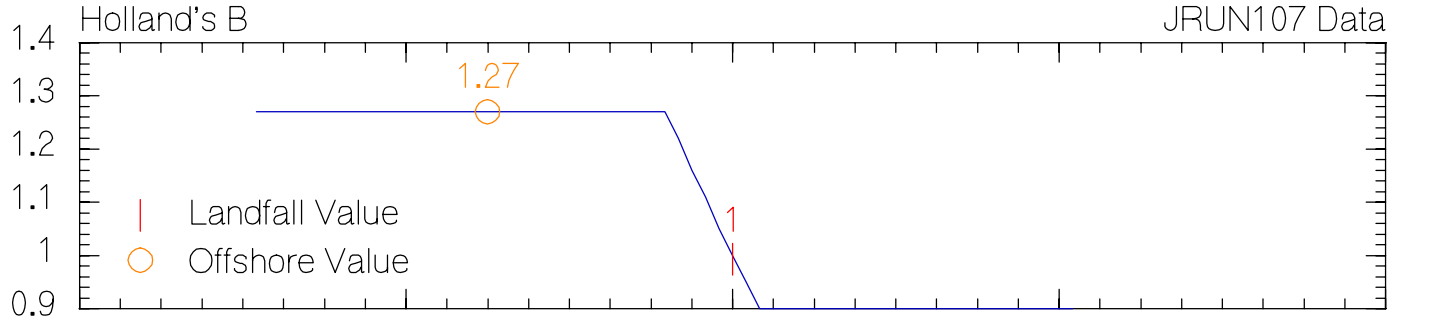


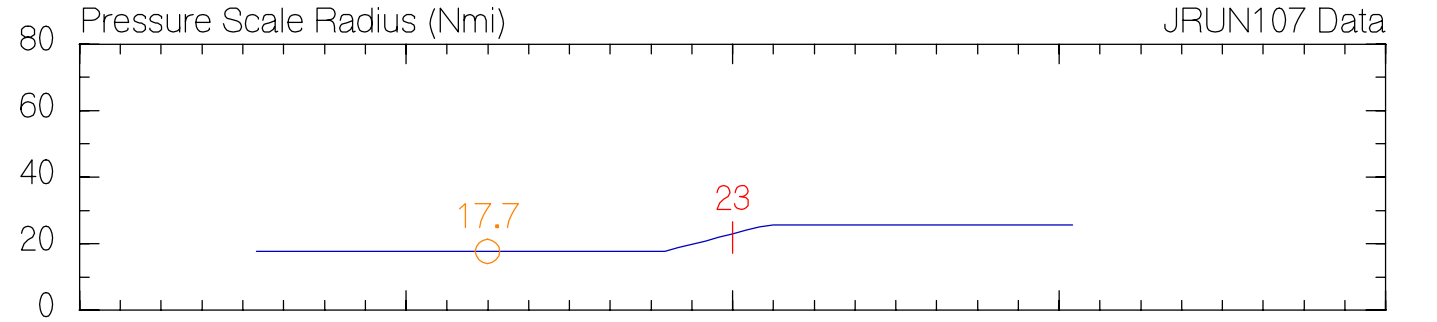


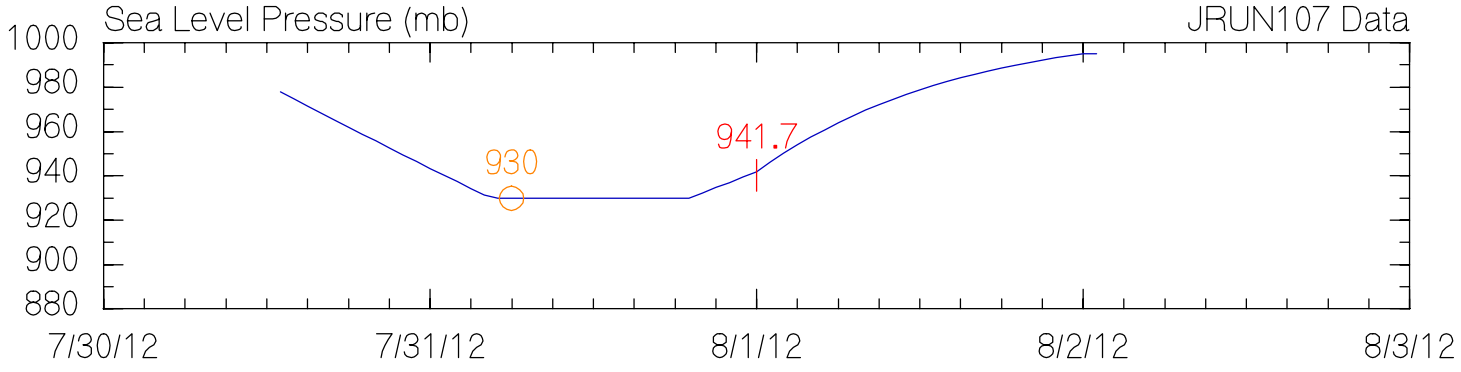


JRUN107 Data

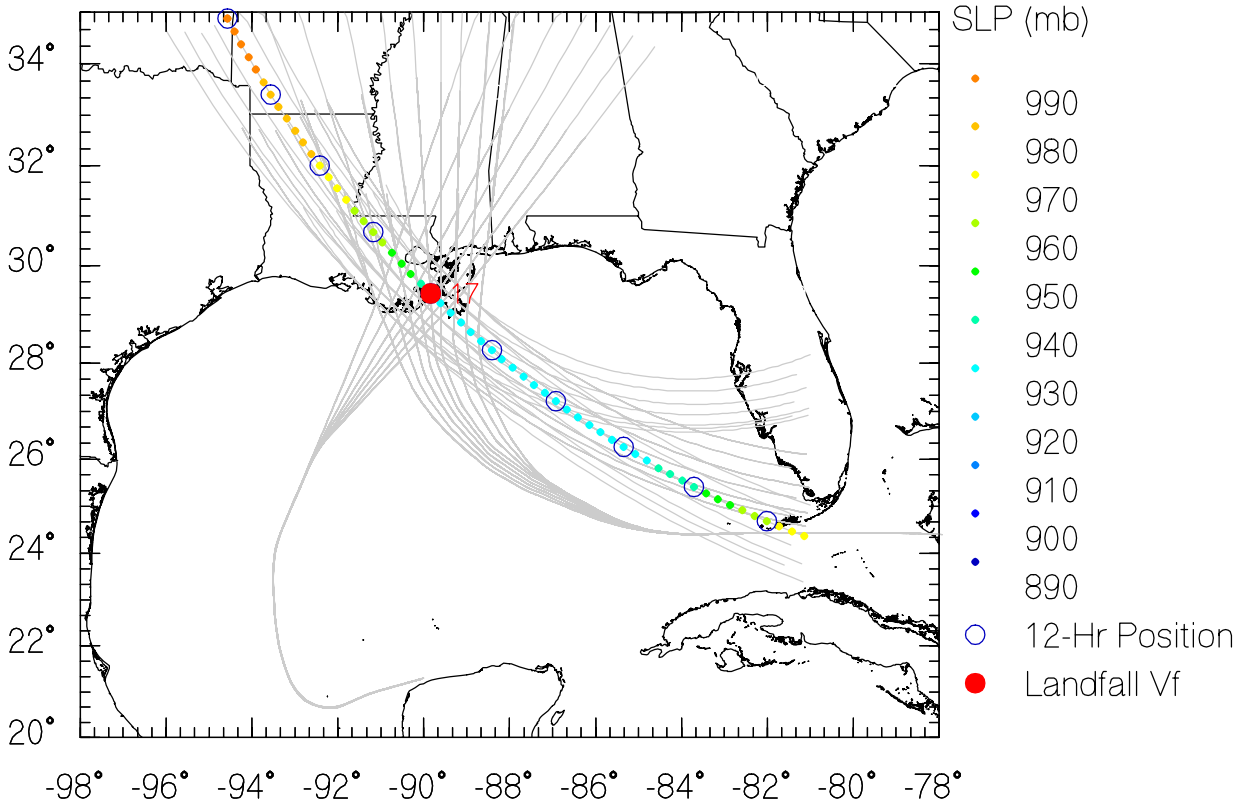


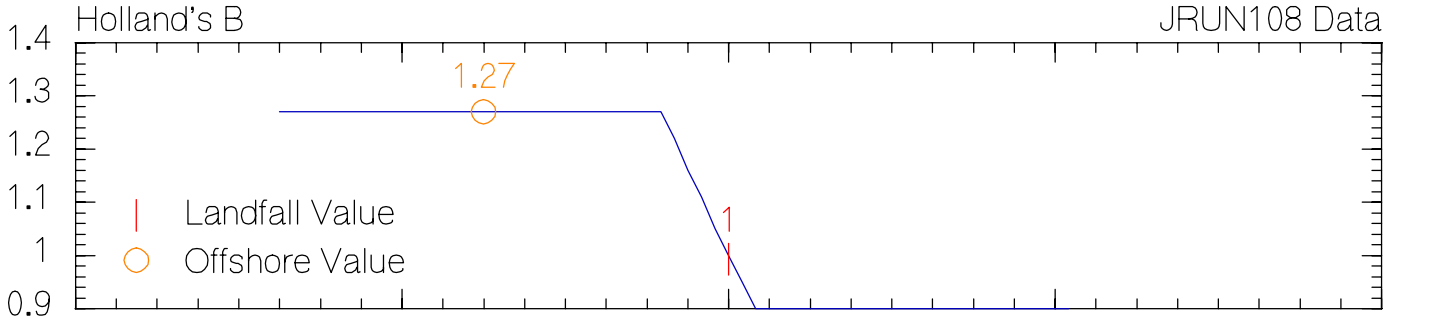


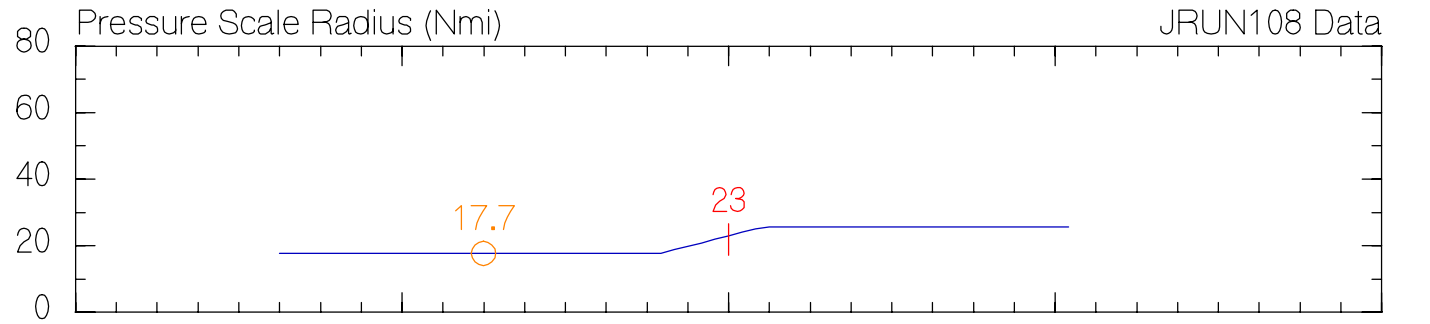


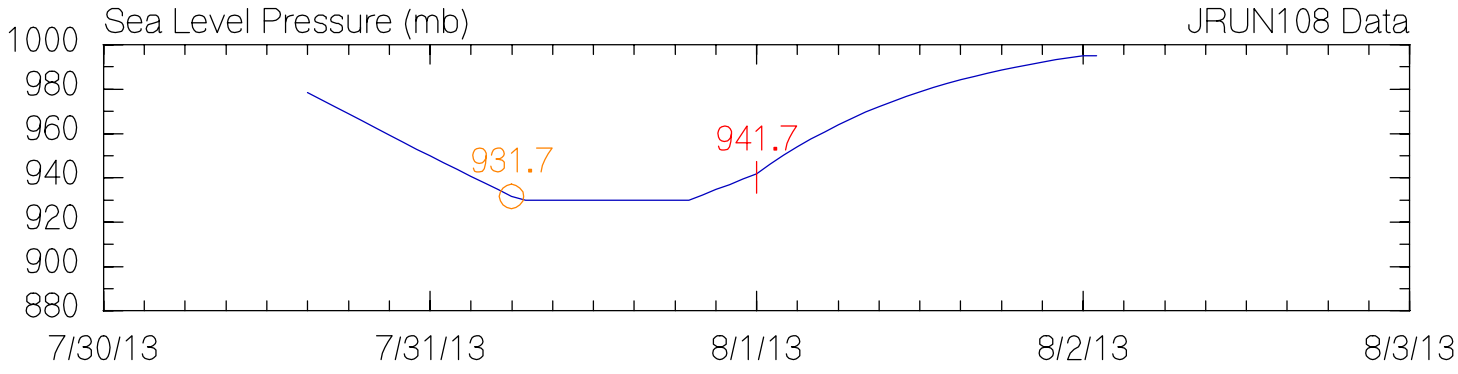


JRUN108 Data

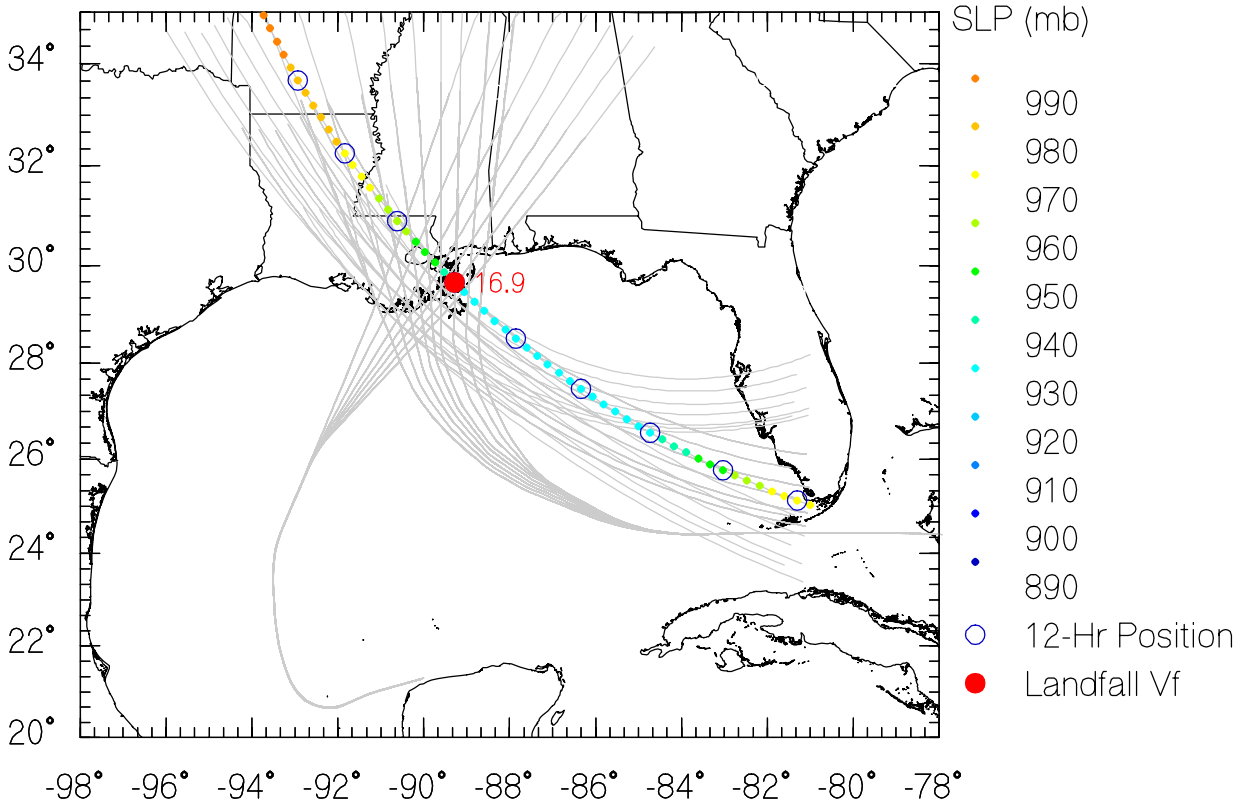


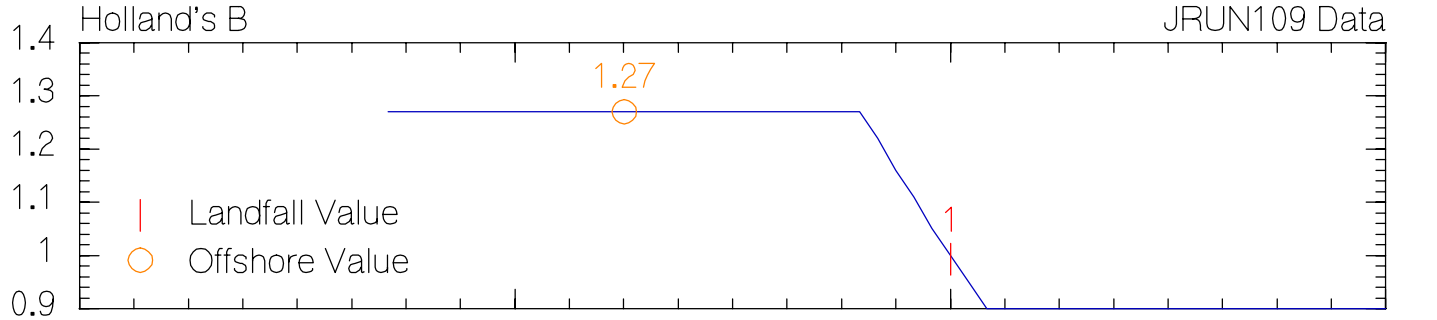


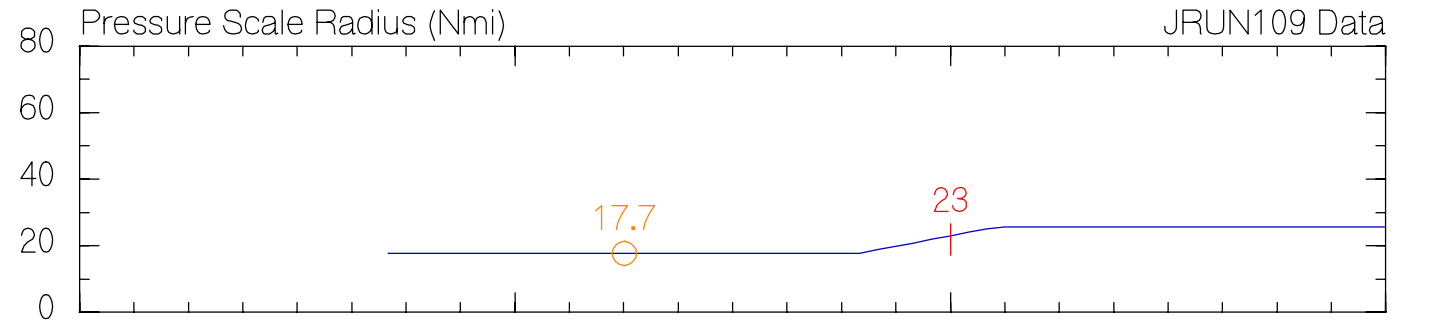


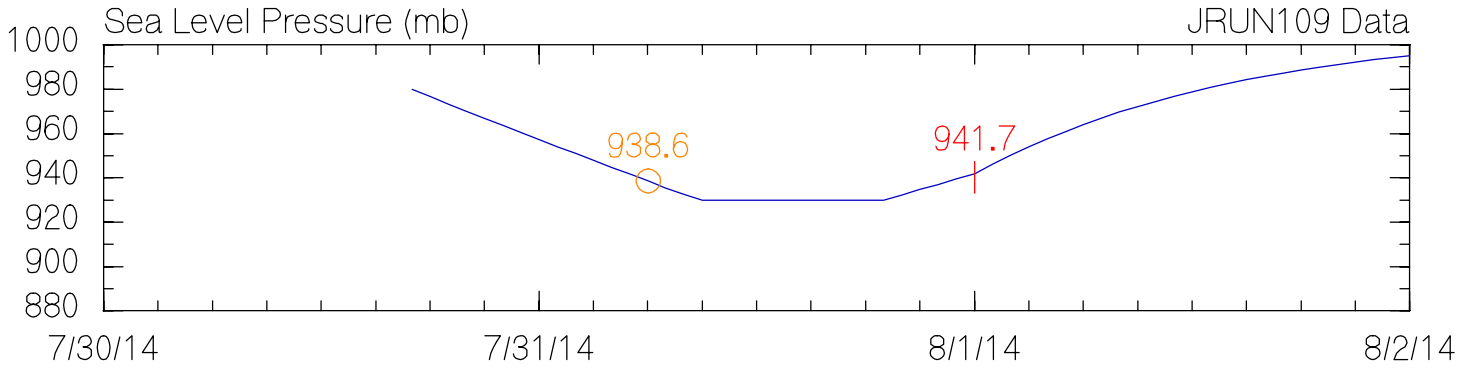


JRUN109 Data

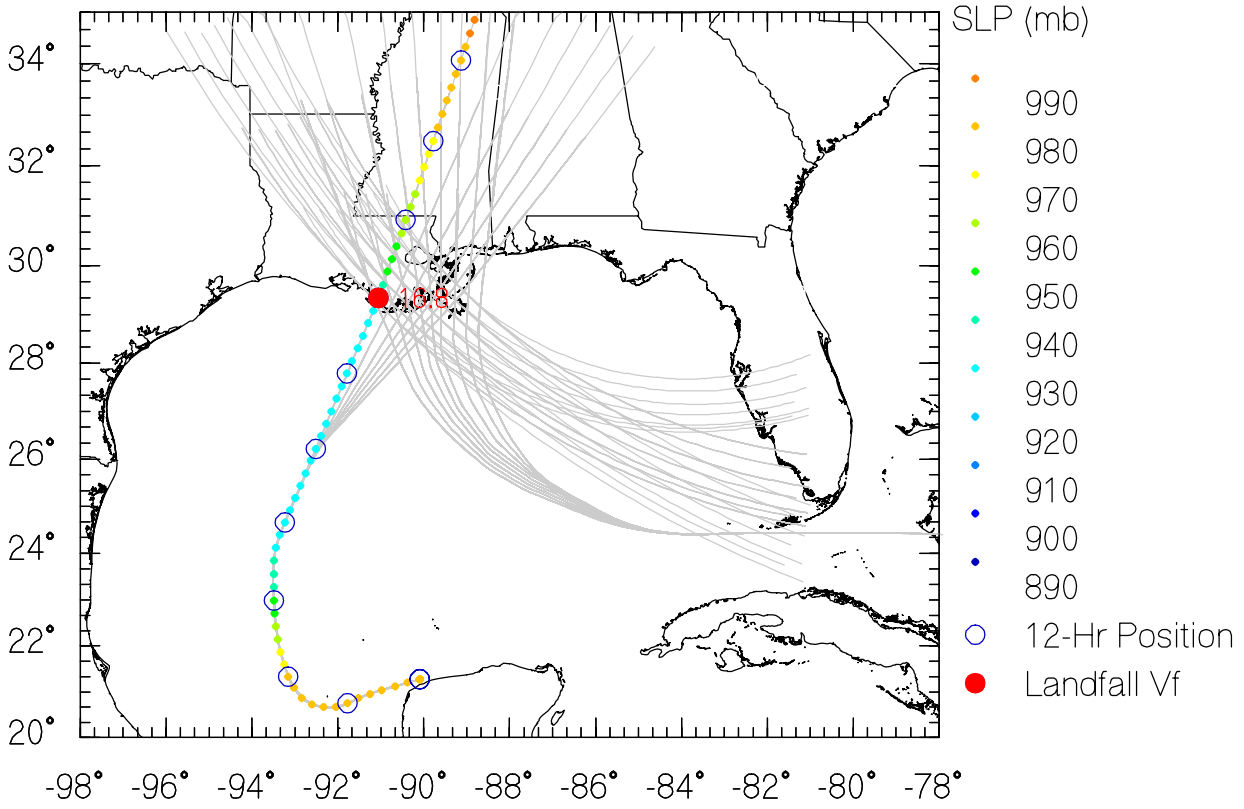


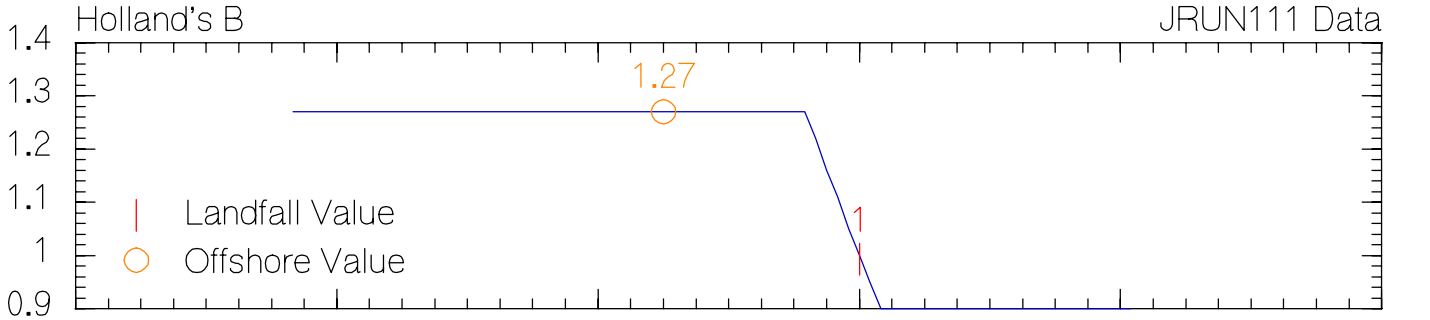


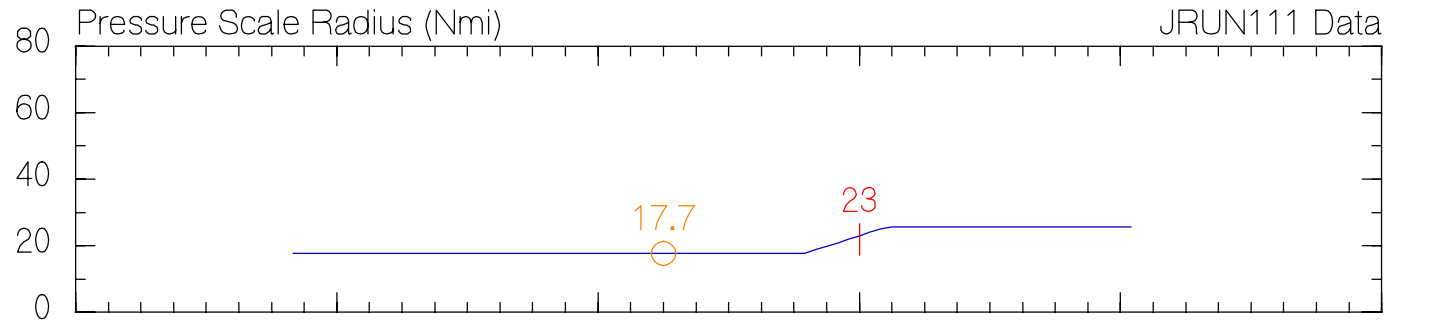


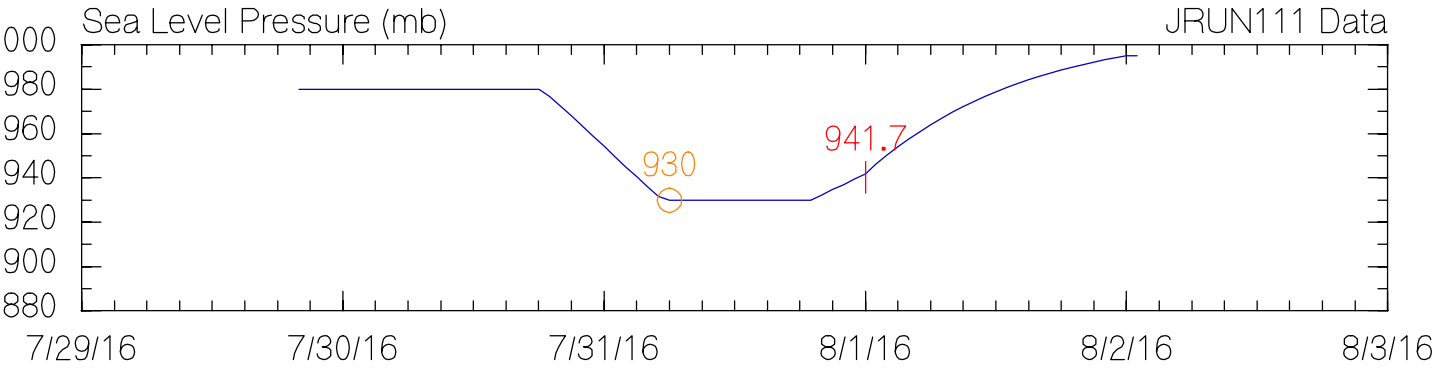


JRUN111 Data

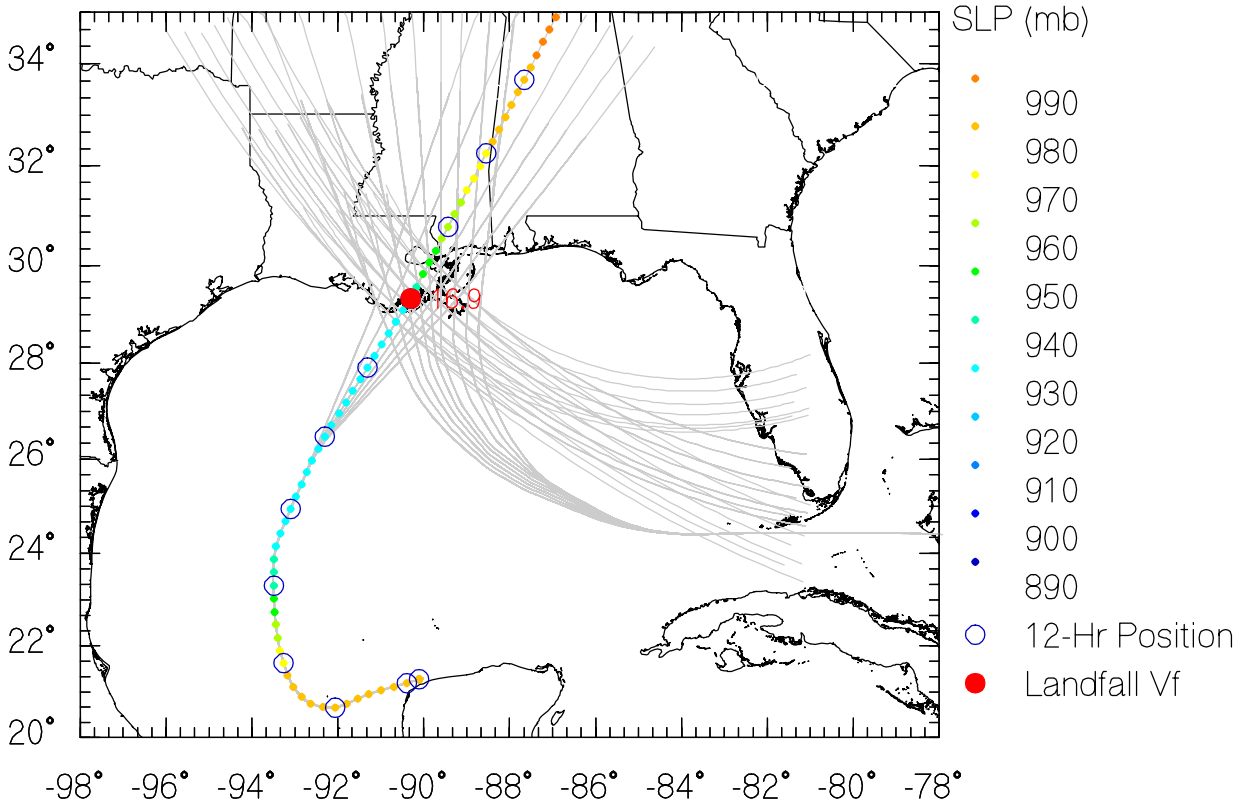


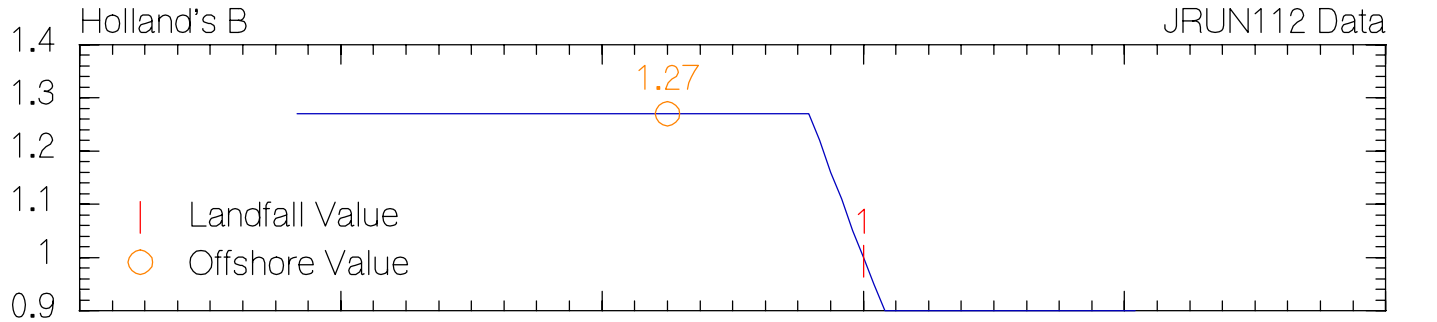


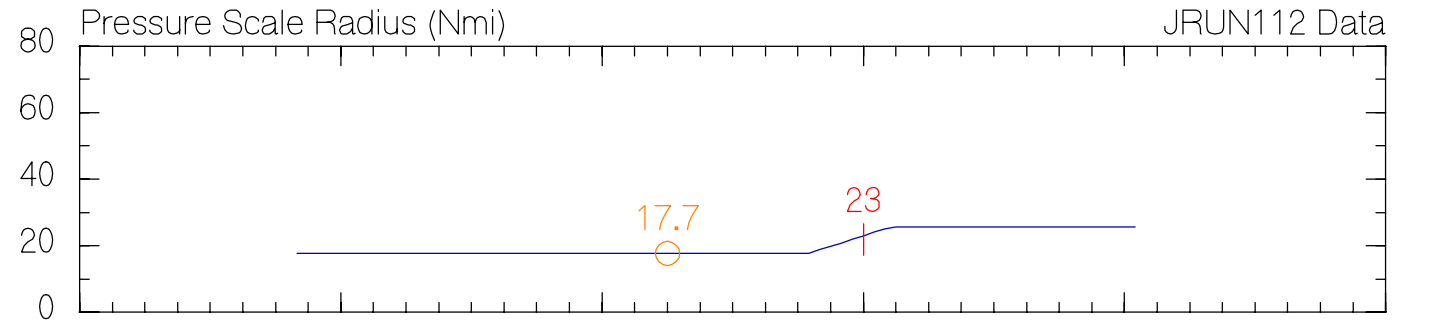


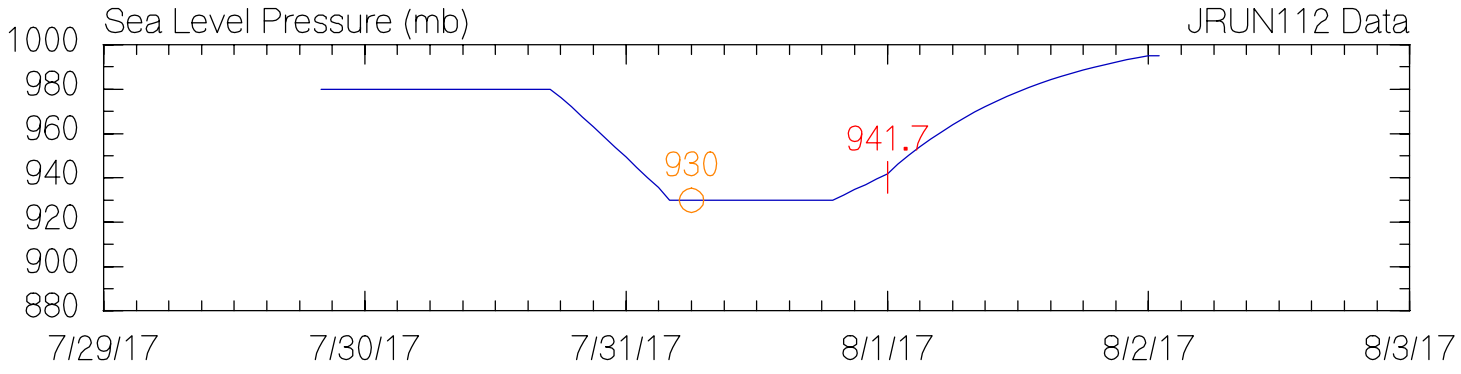


JRUN112 Data

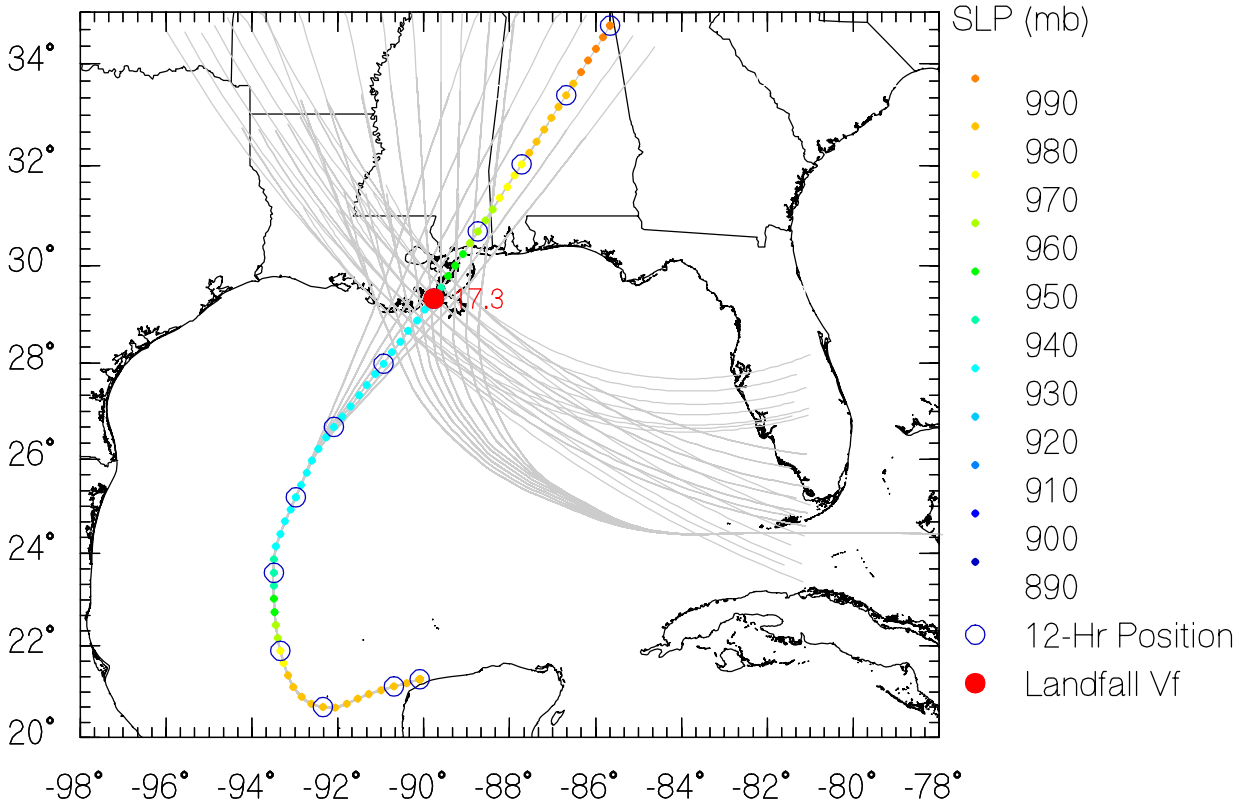


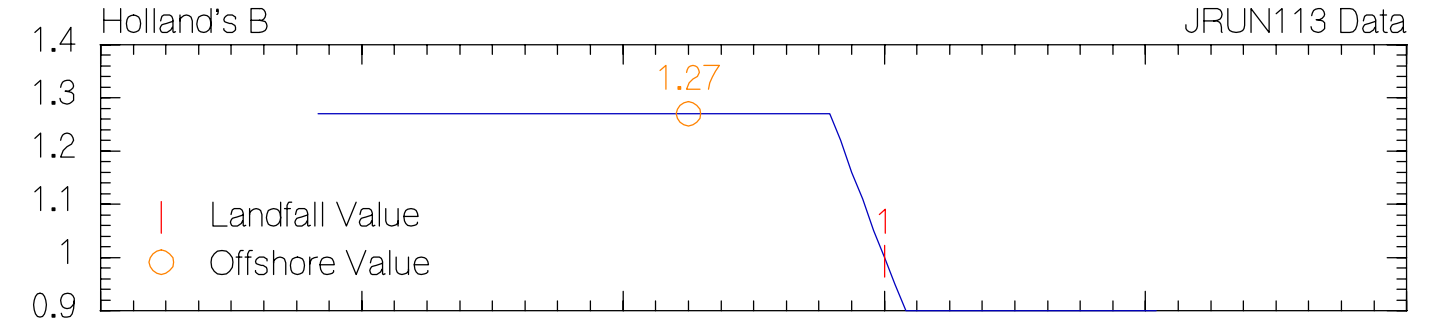


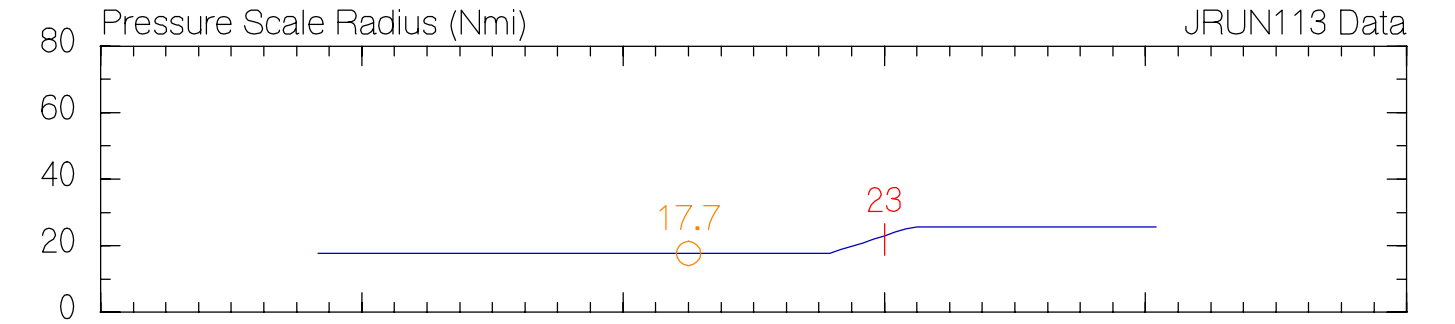


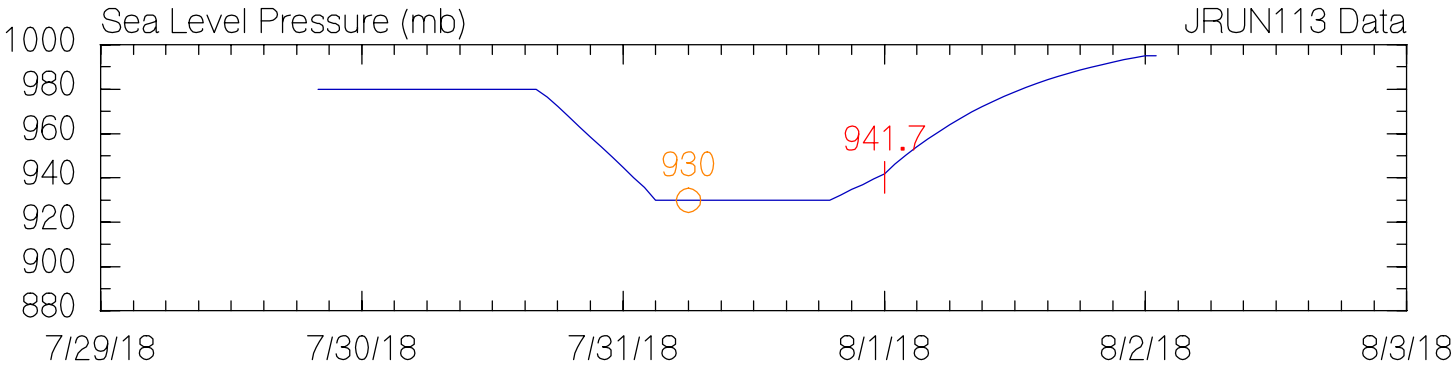


JRUN113 Data

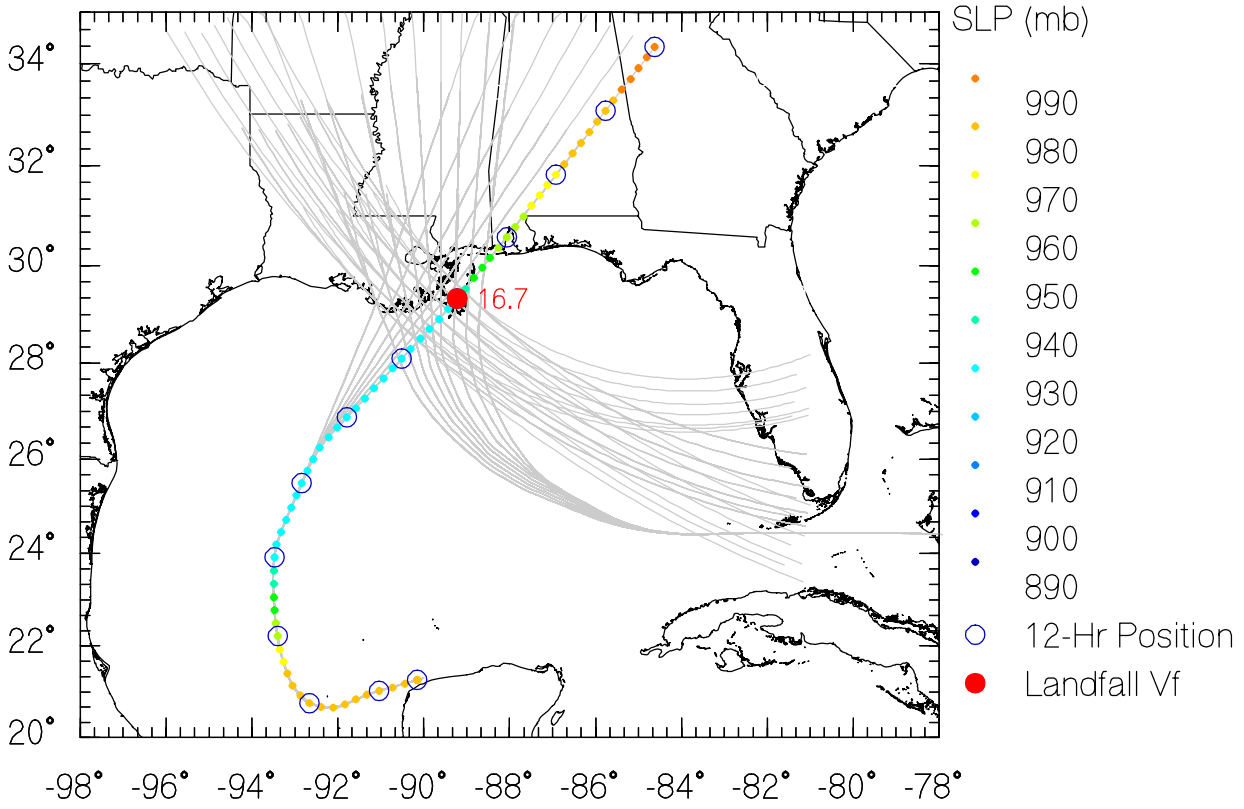


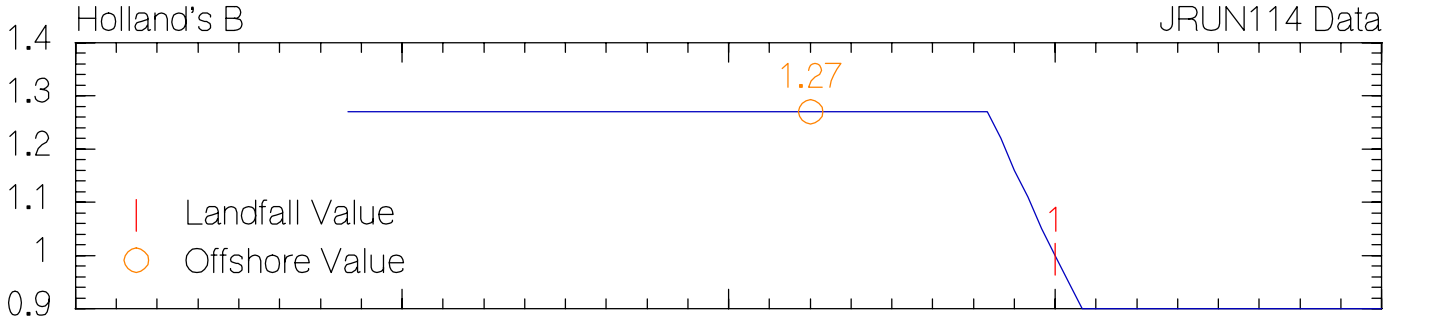


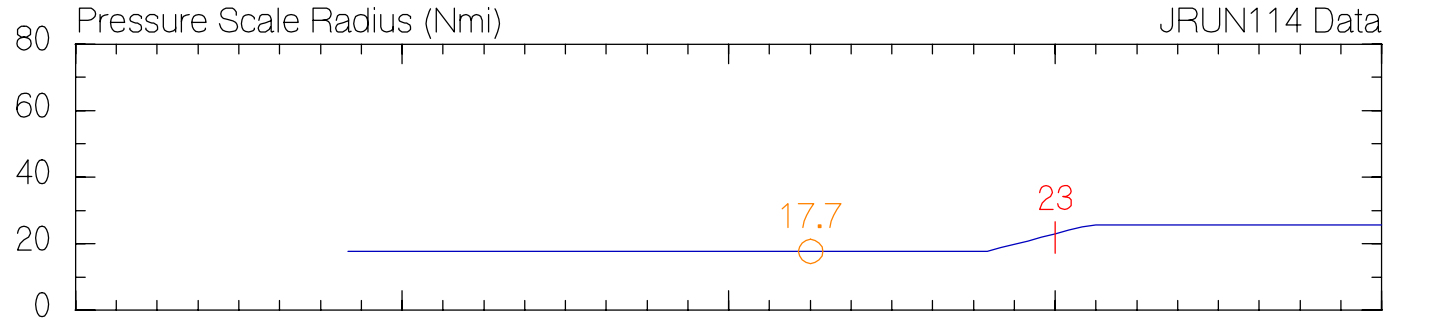


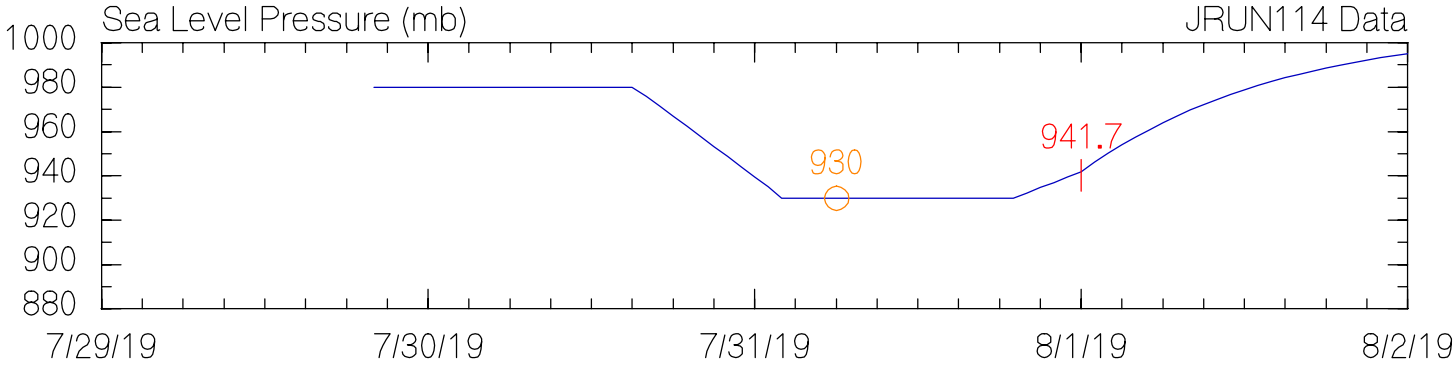


JRUN114 Data

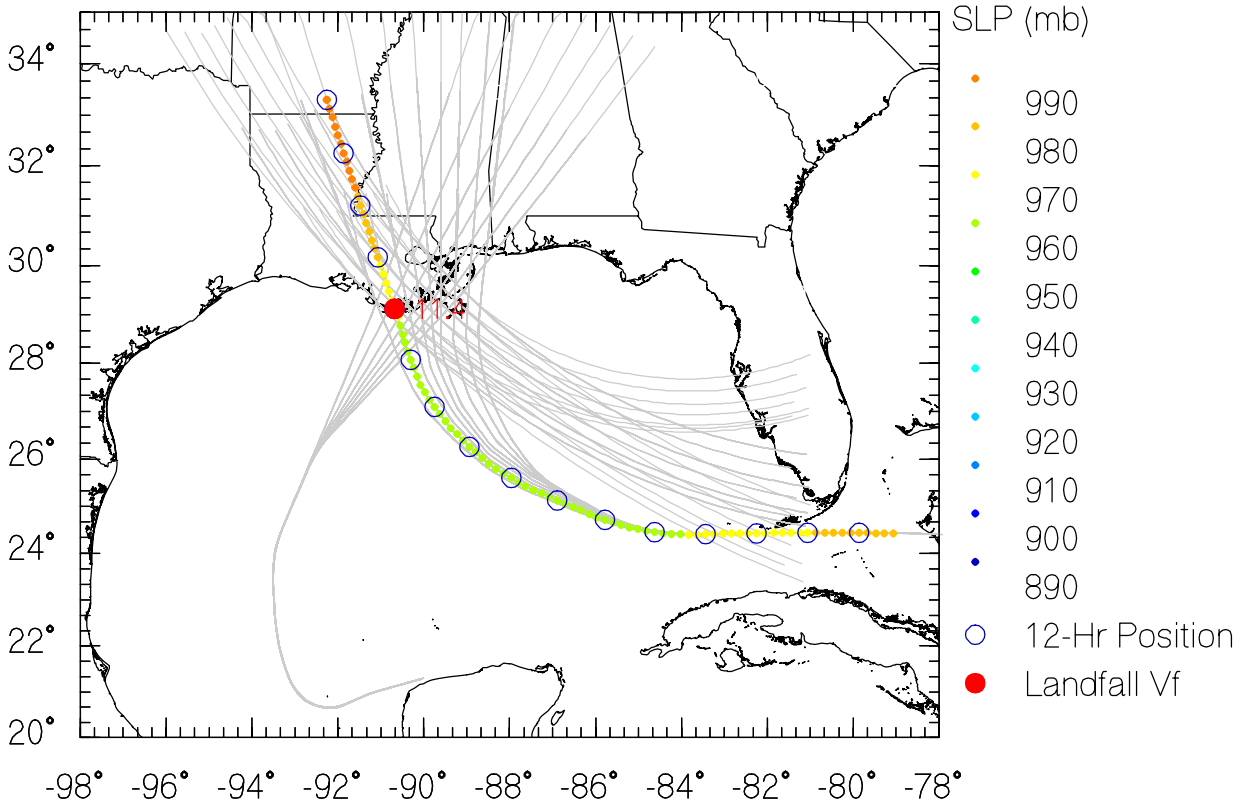


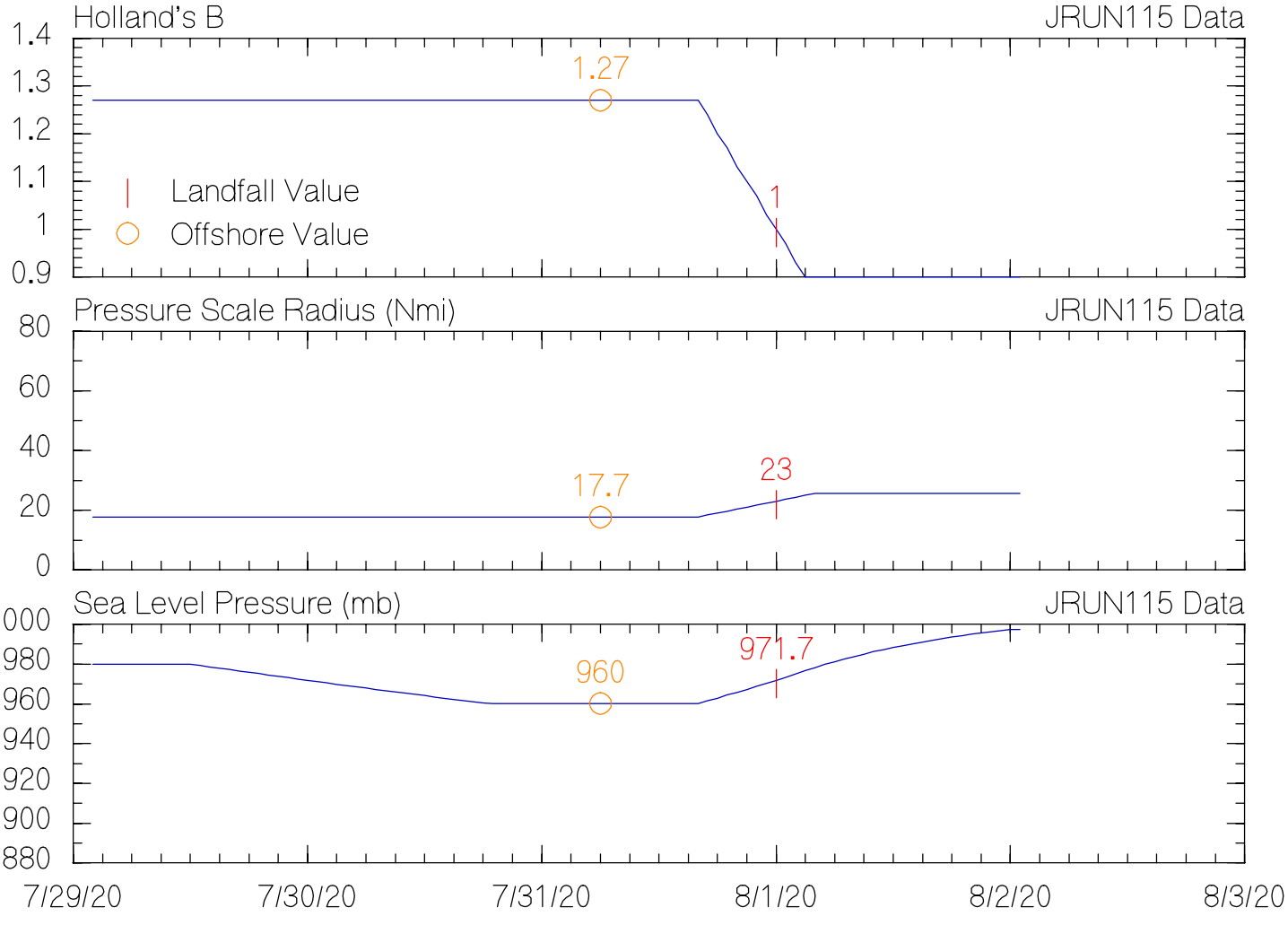




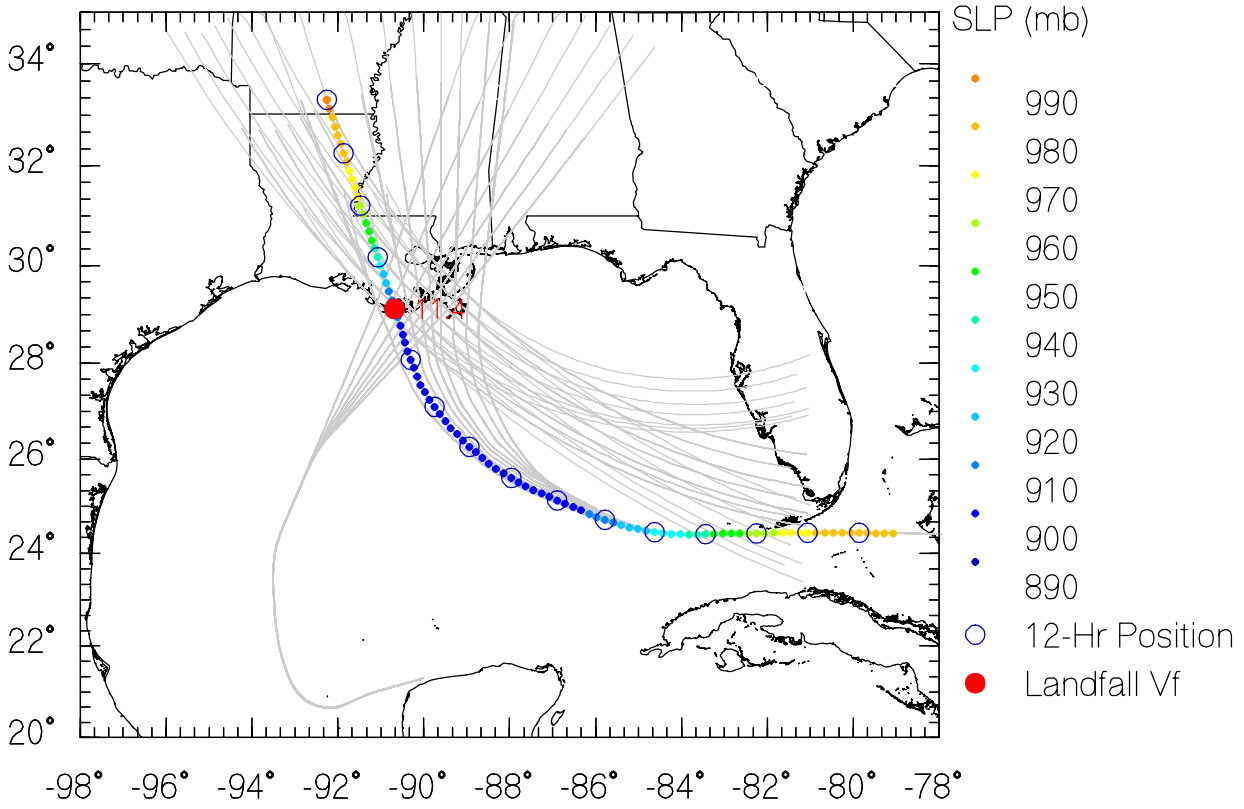


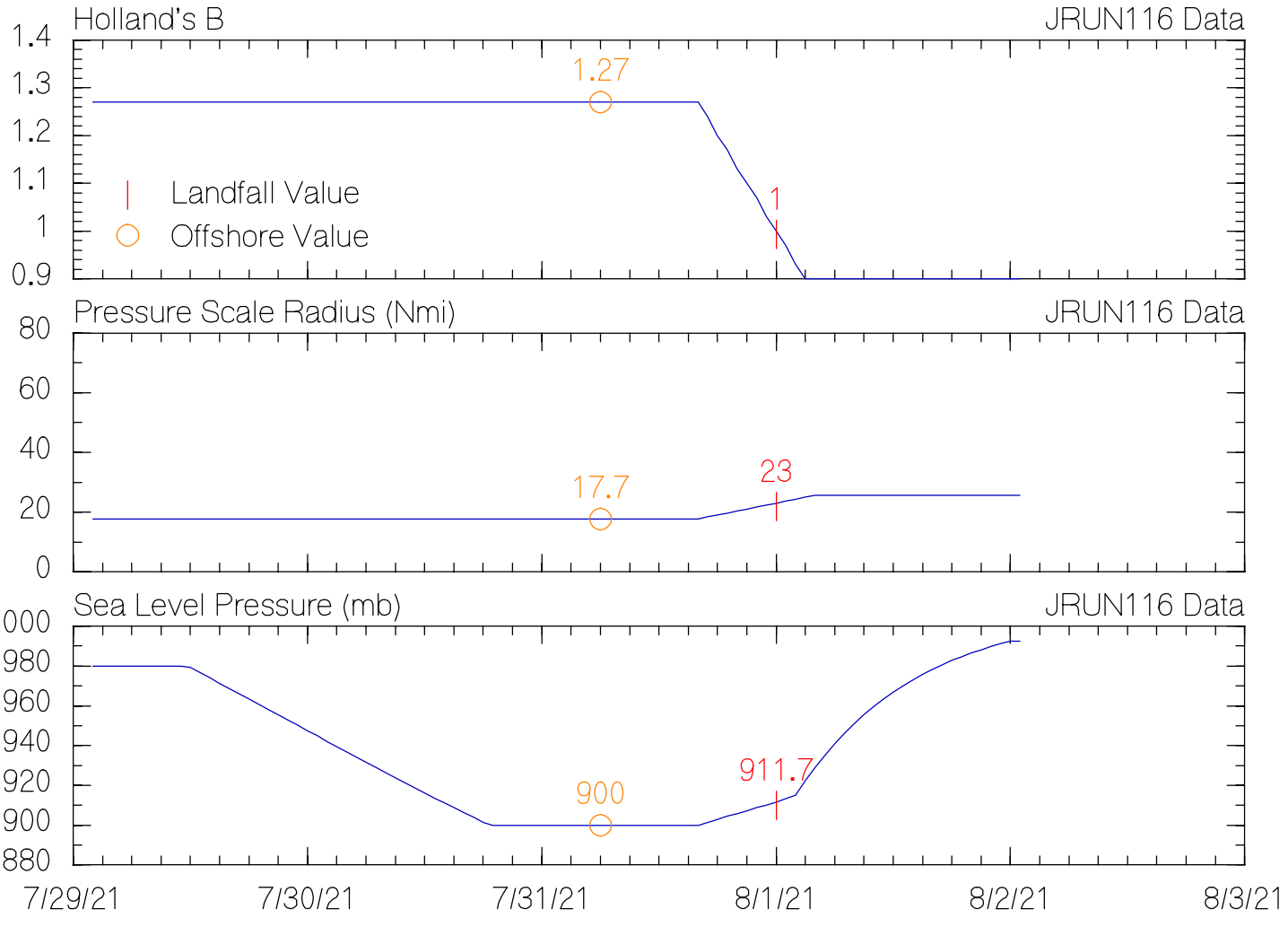
JRUN115 Data



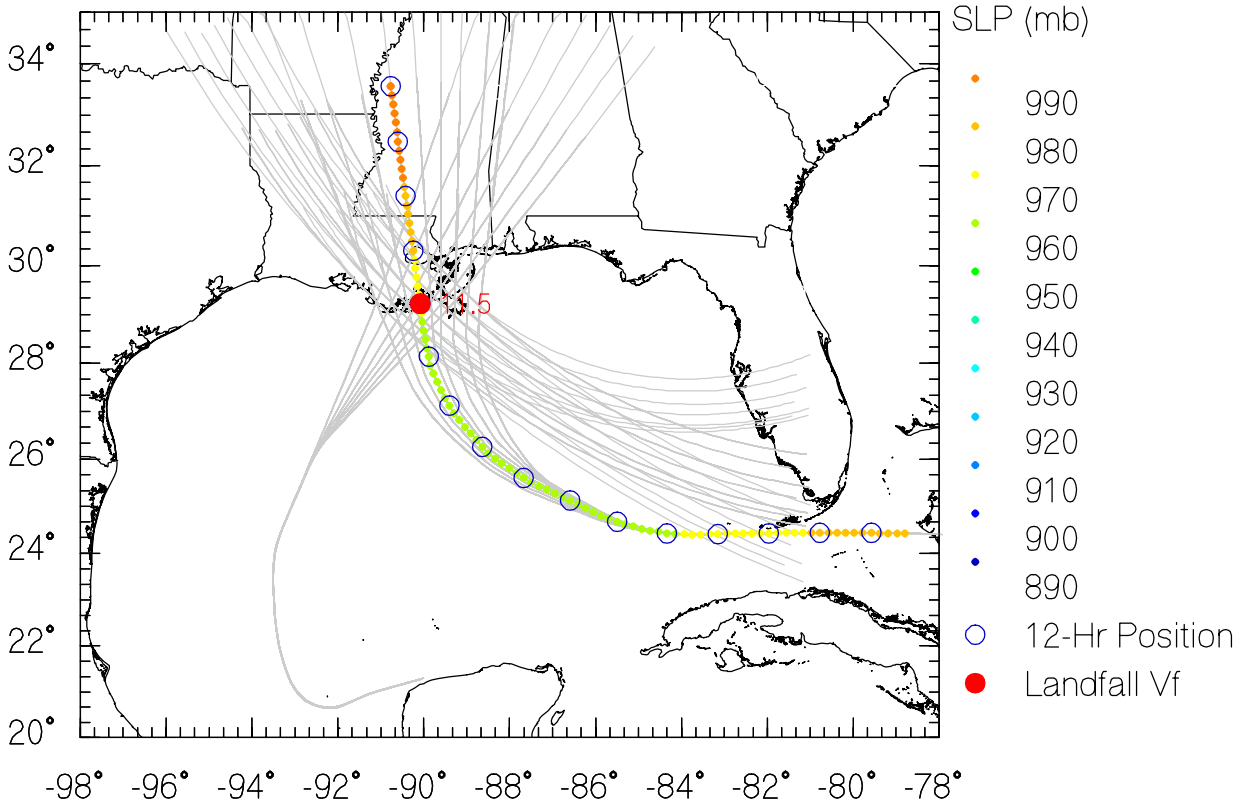


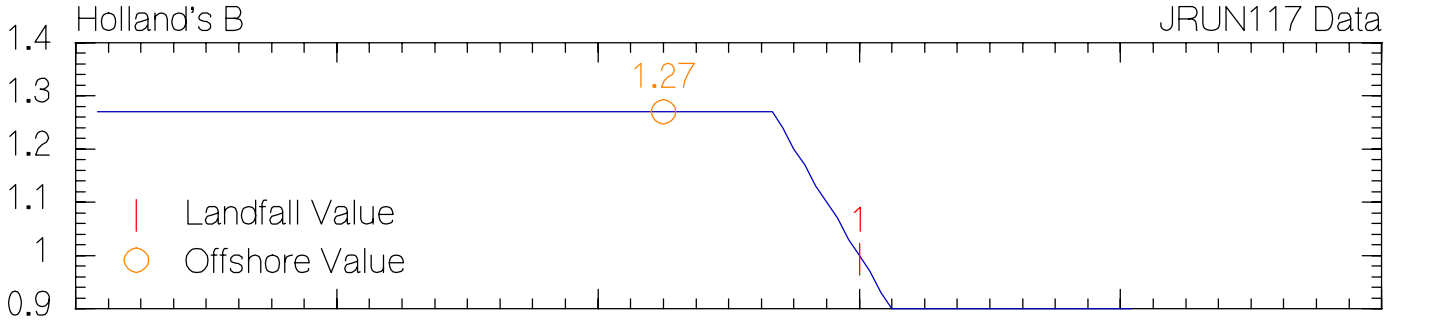
JRUN116 Data

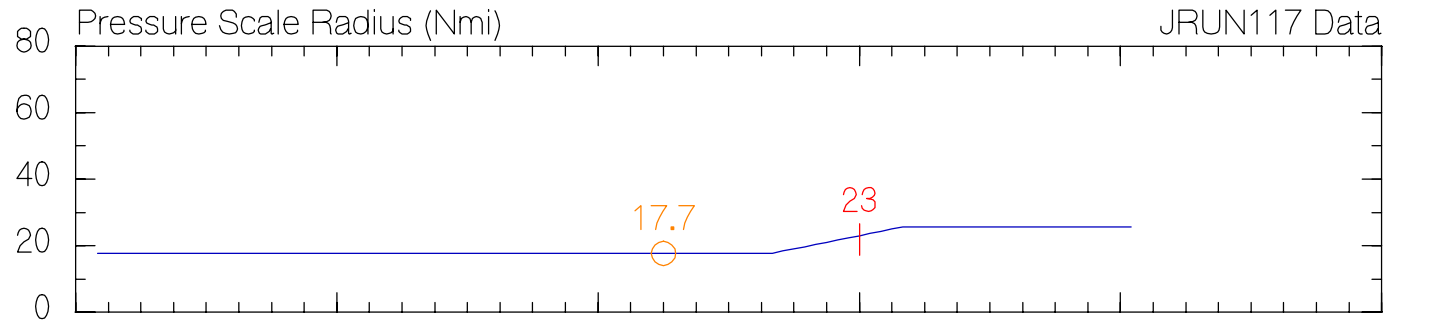


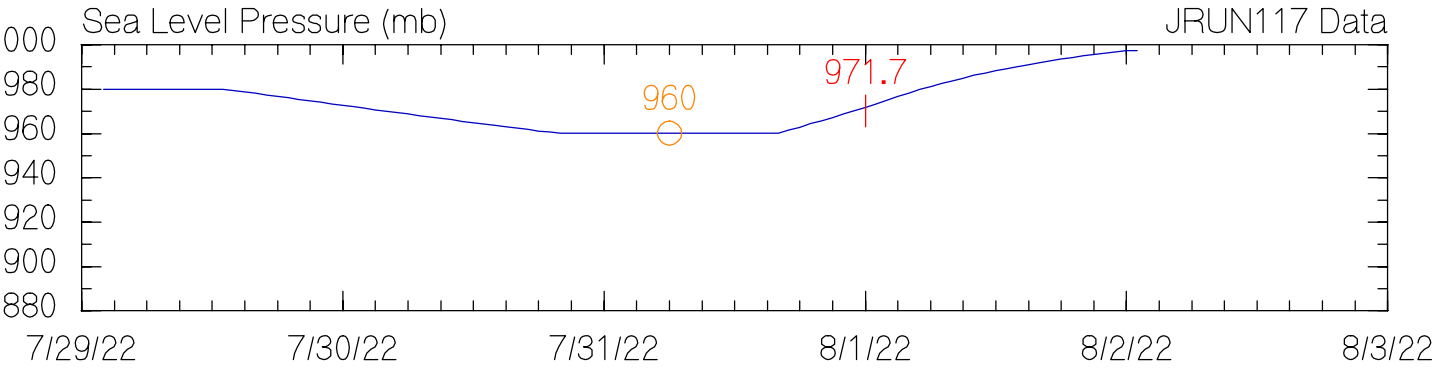


JRUN117 Data

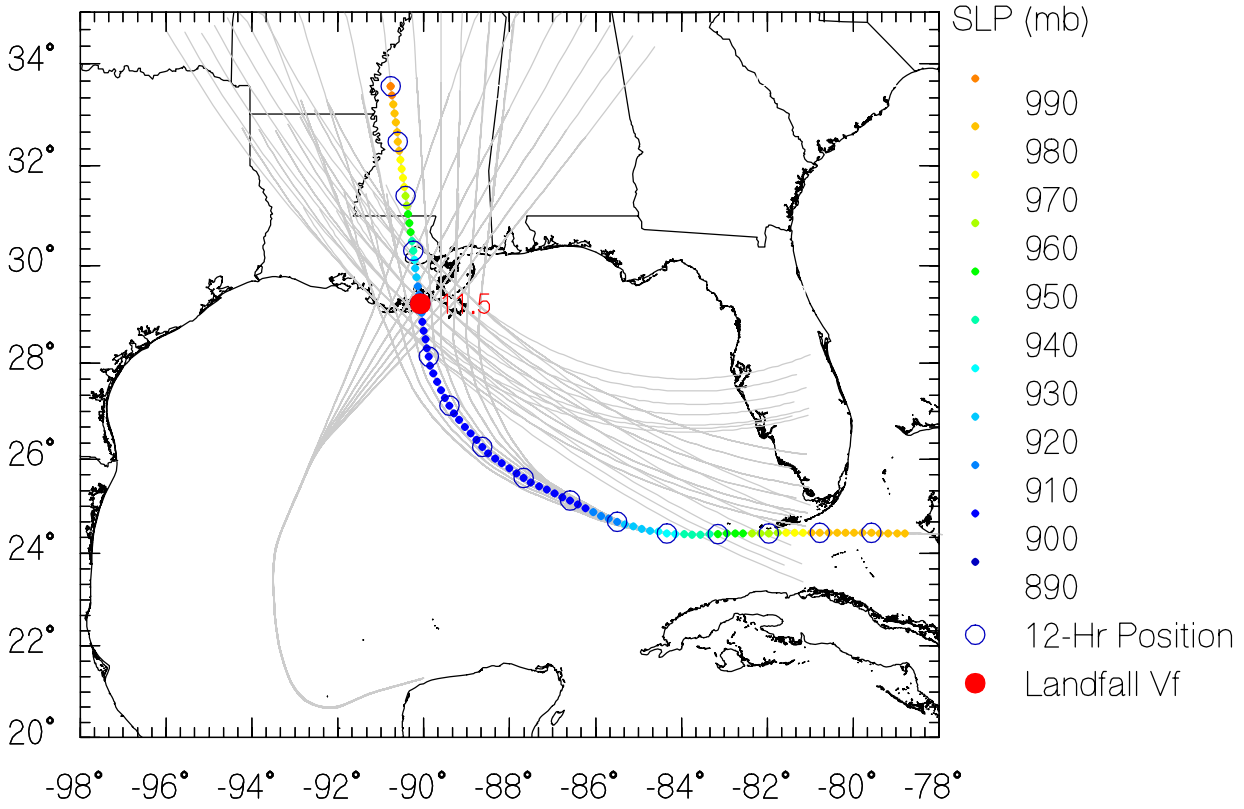


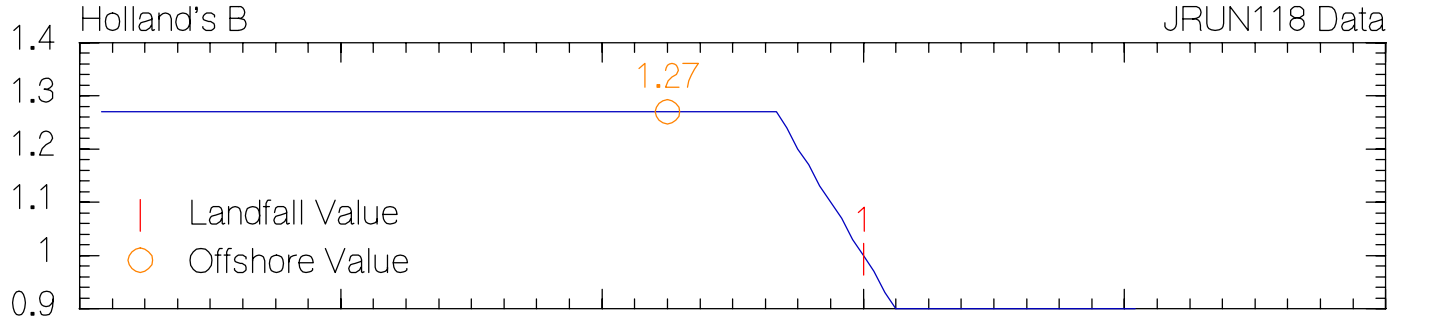


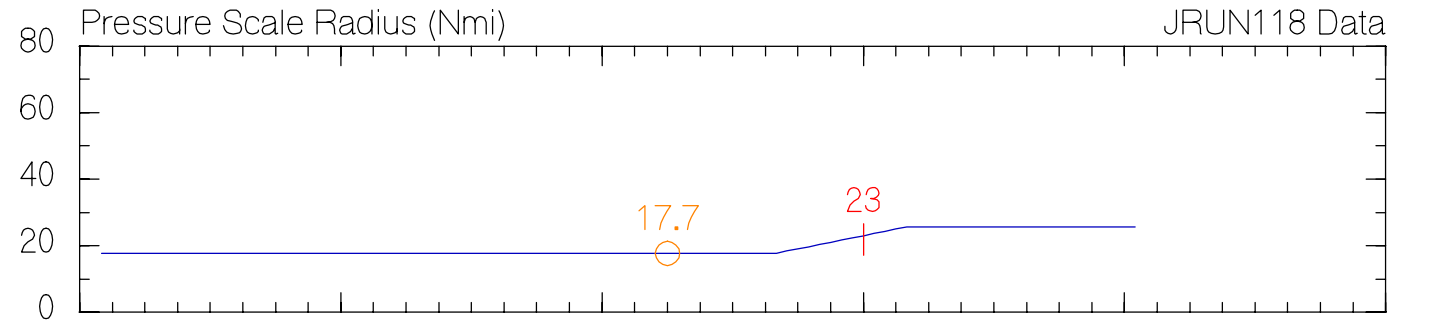


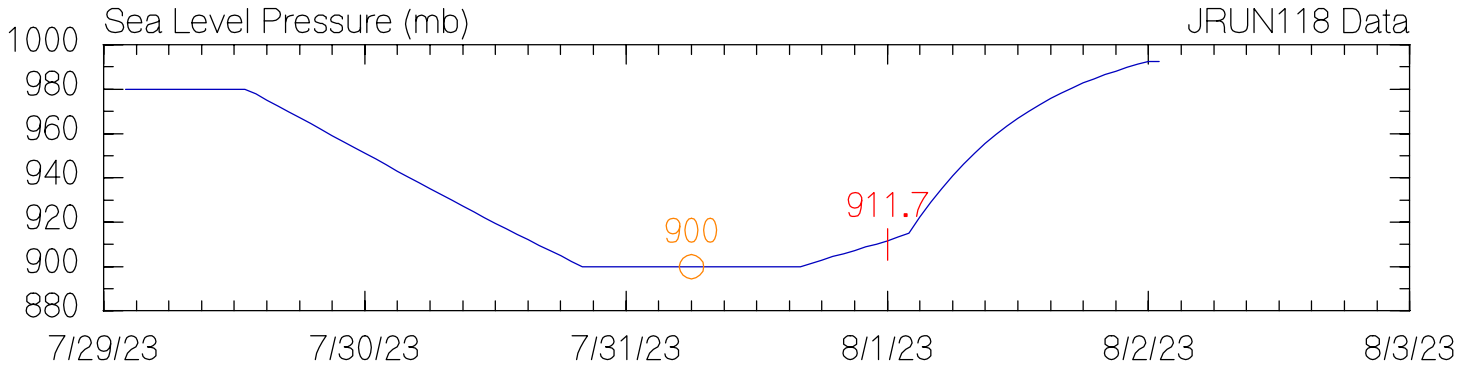


JRUN118 Data

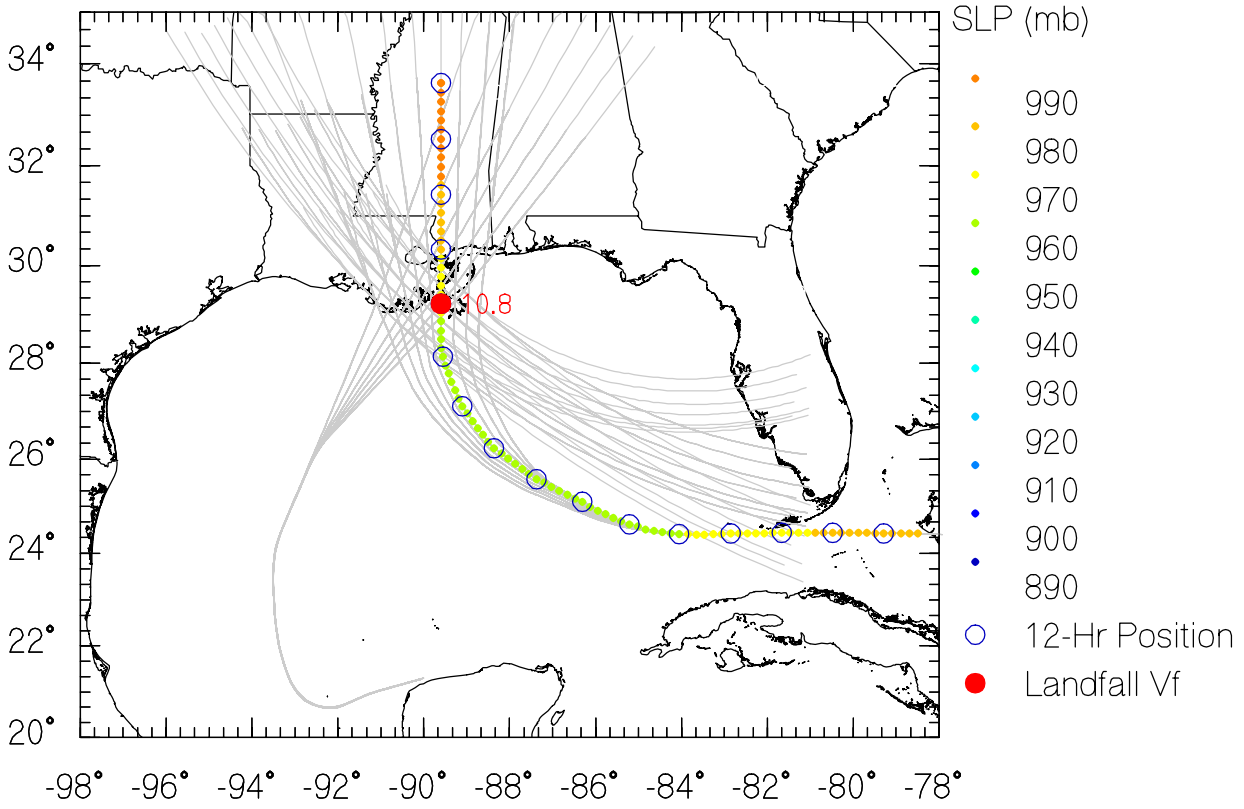


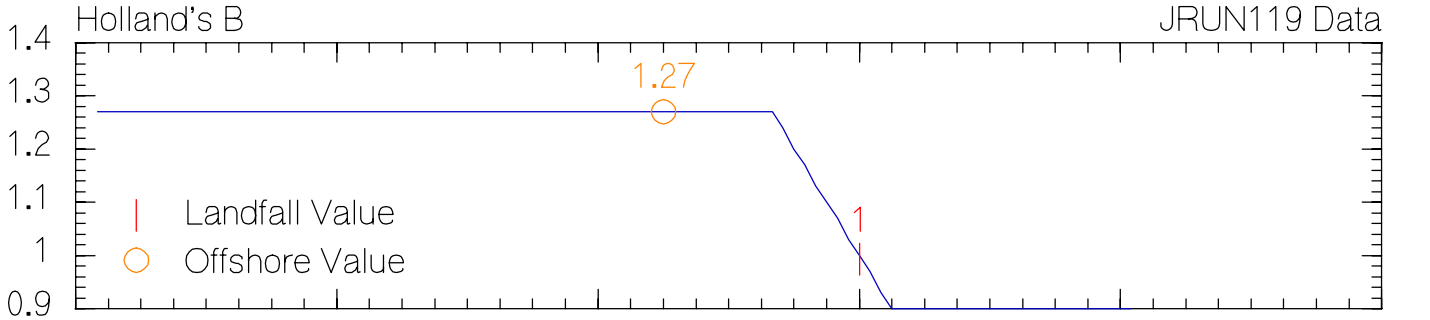


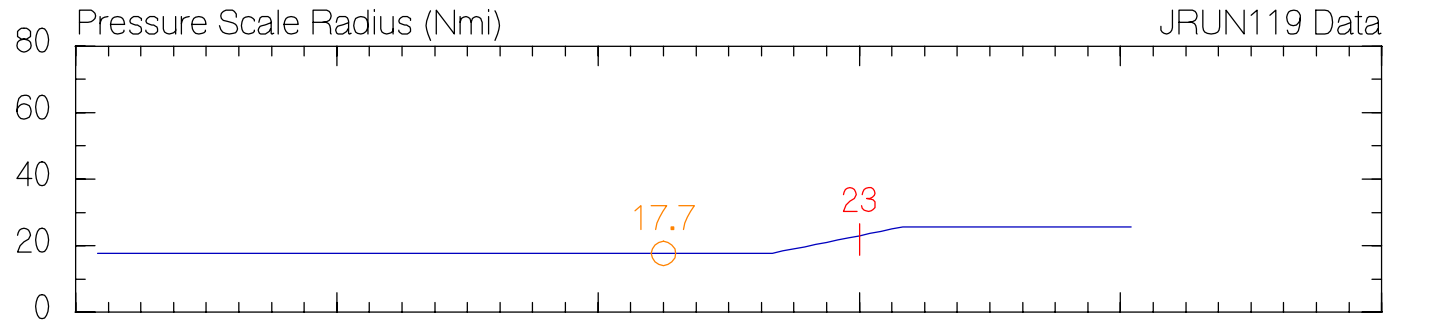


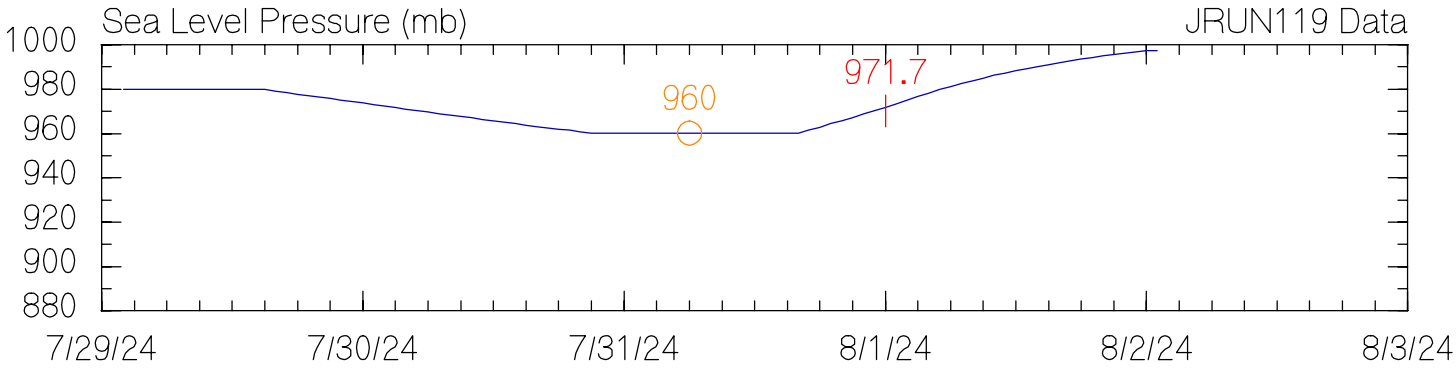


JRUN119 Data

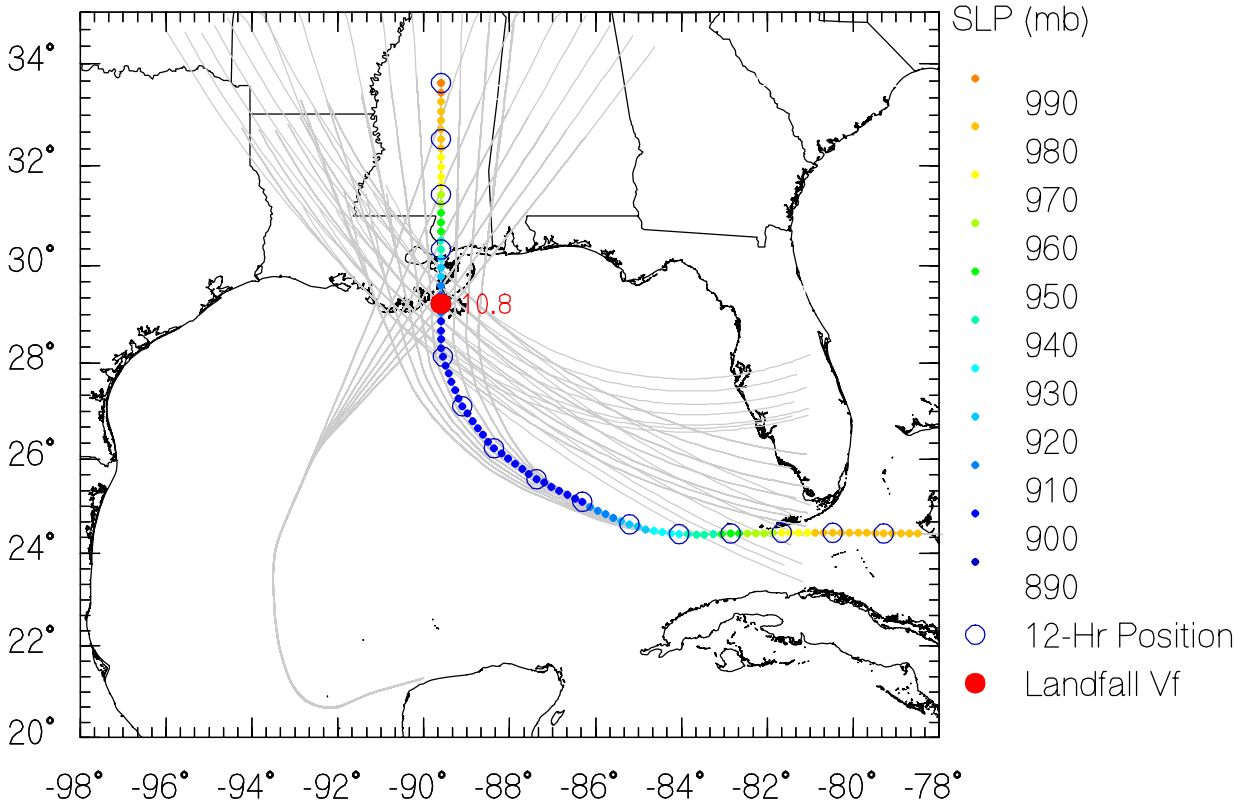


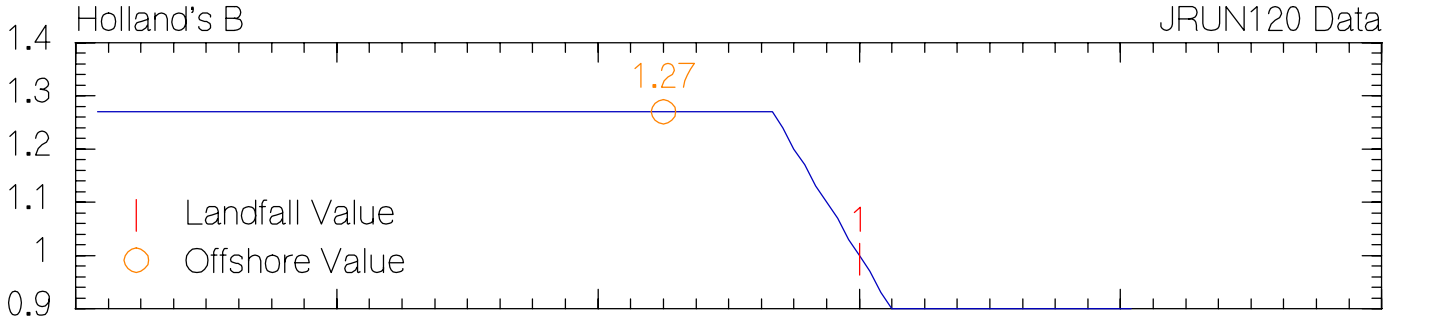


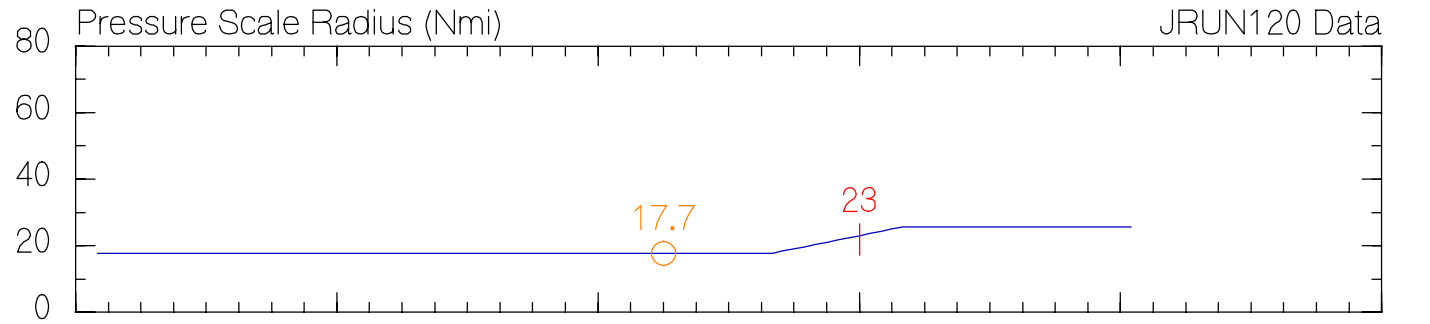


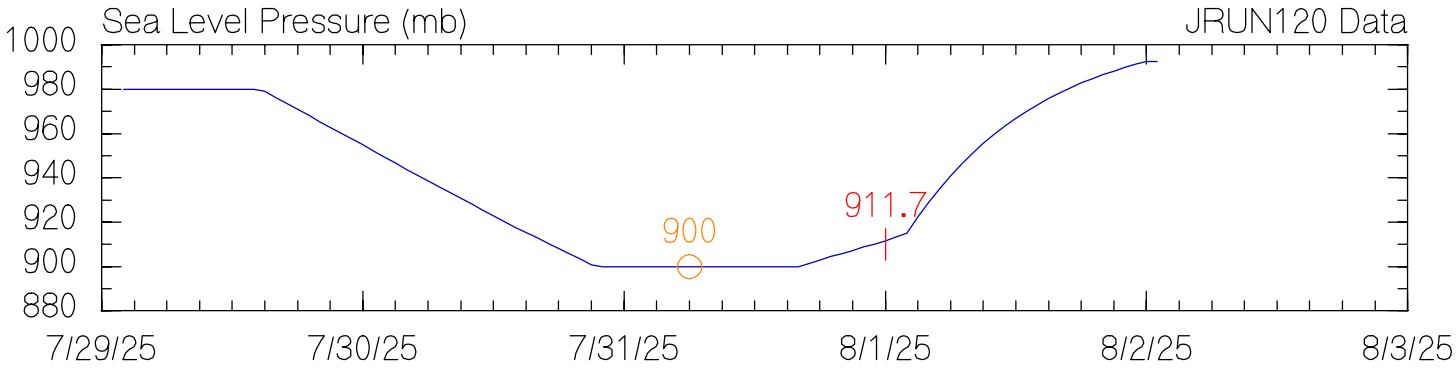


JRUN120 Data

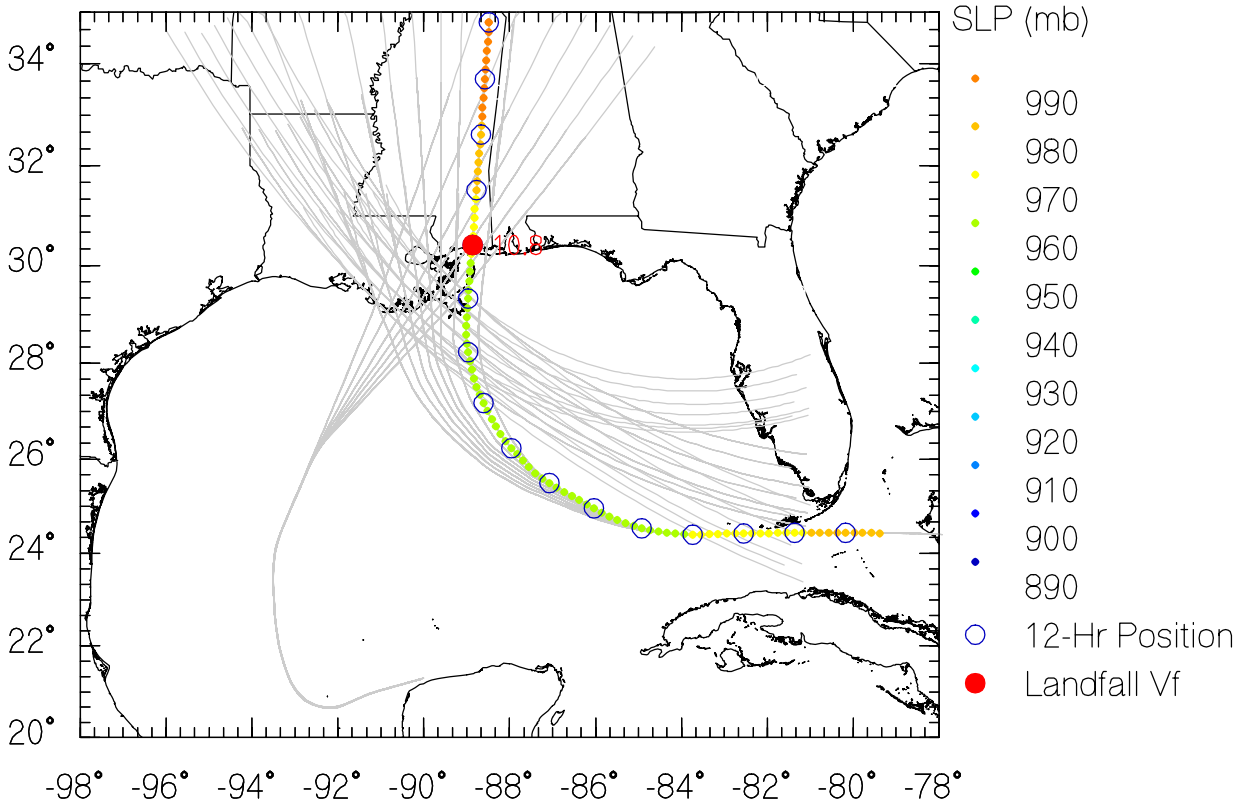


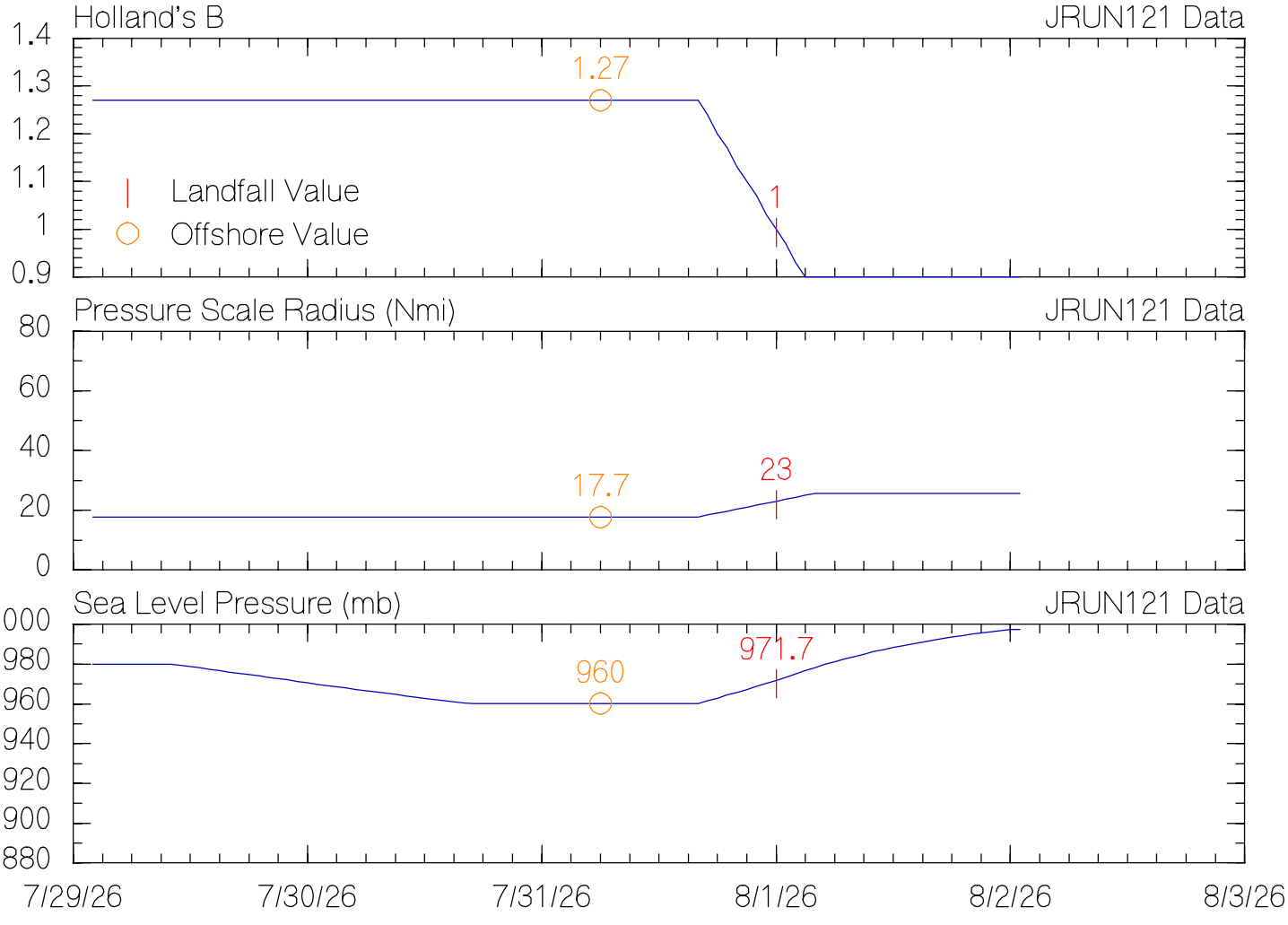




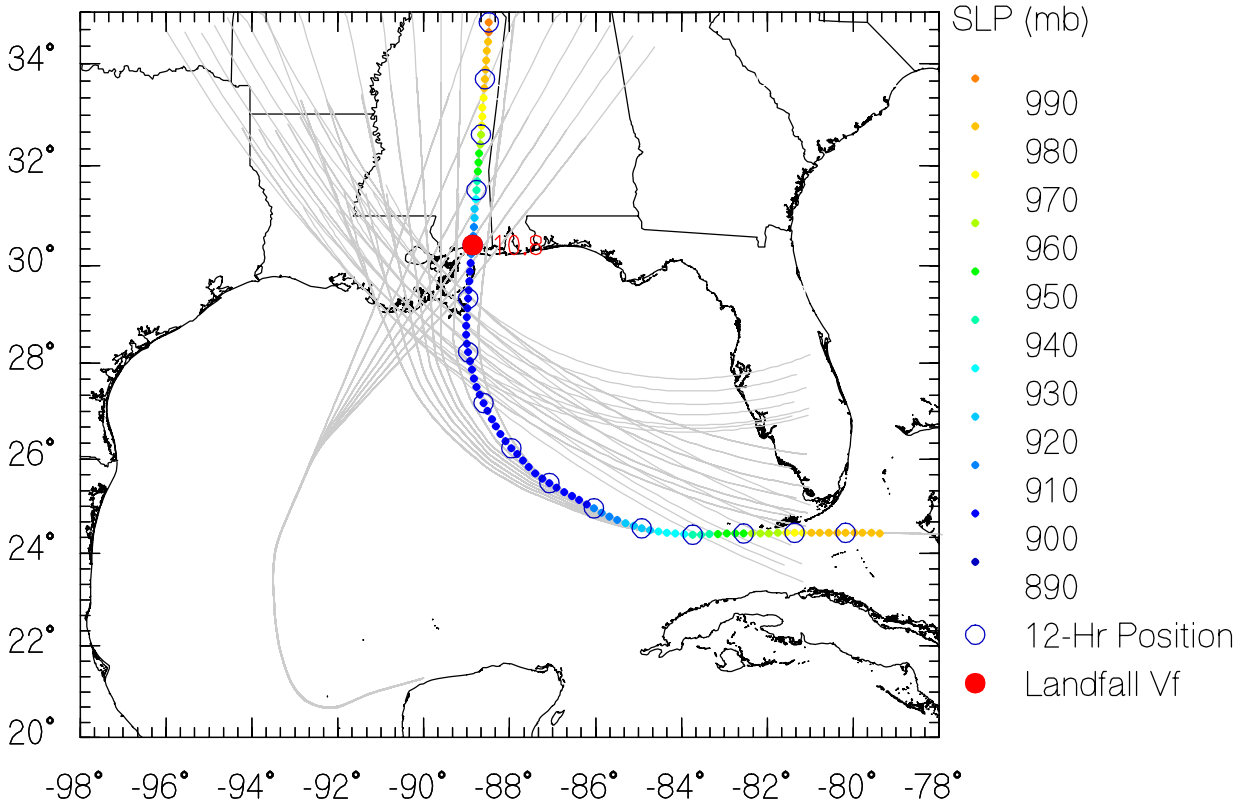


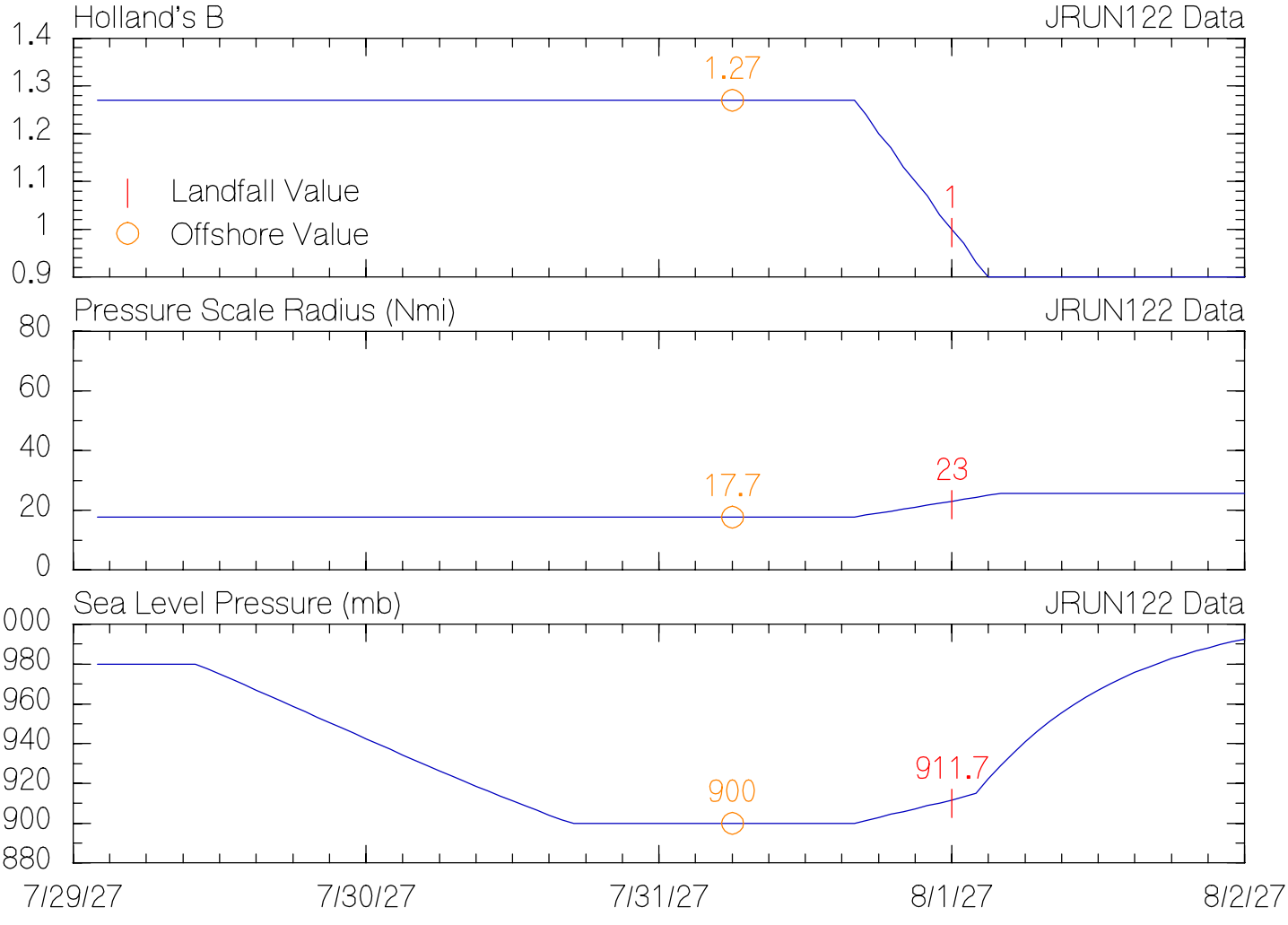
JRUN121 Data



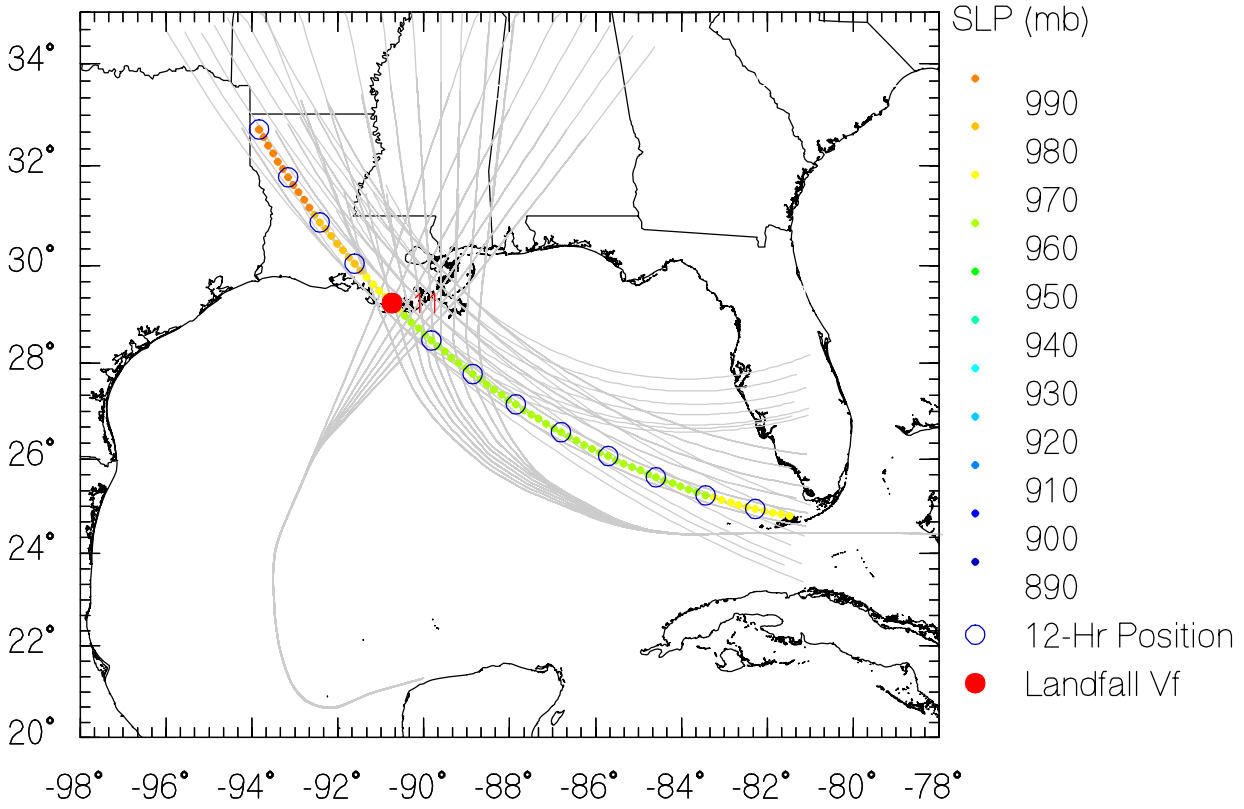


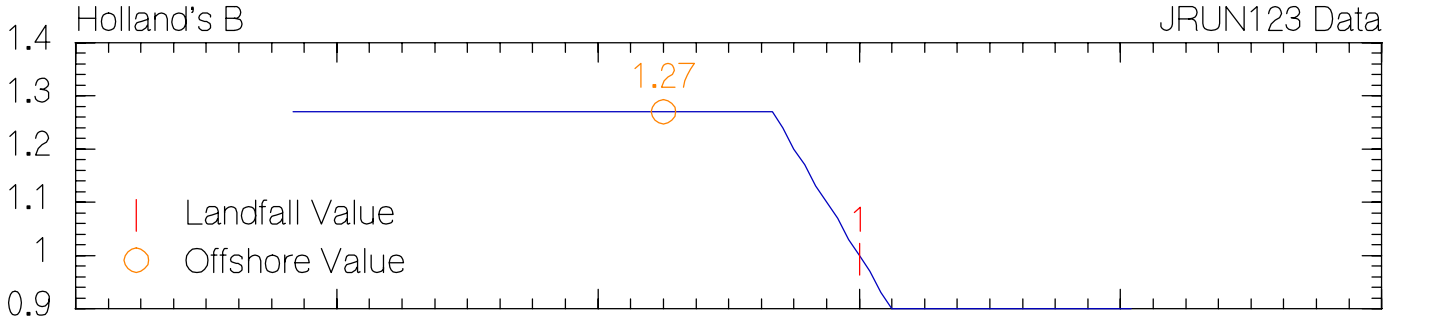
JRUN122 Data

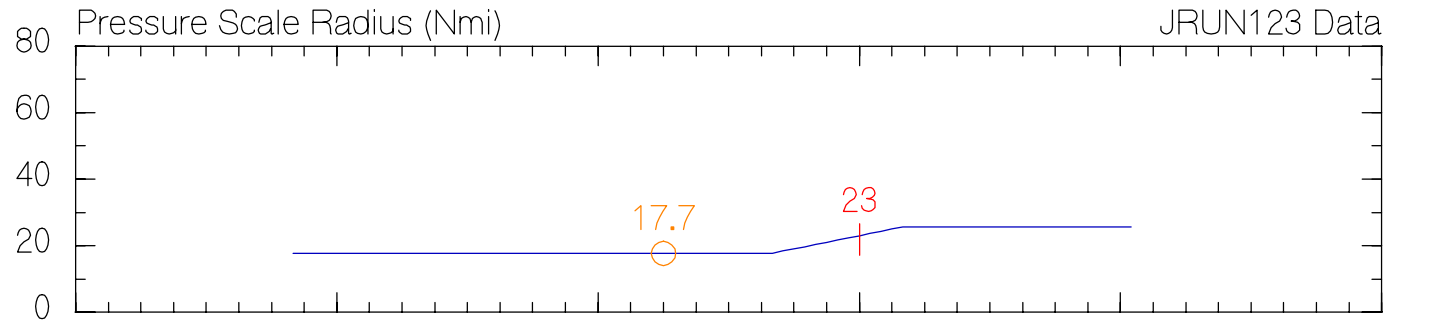


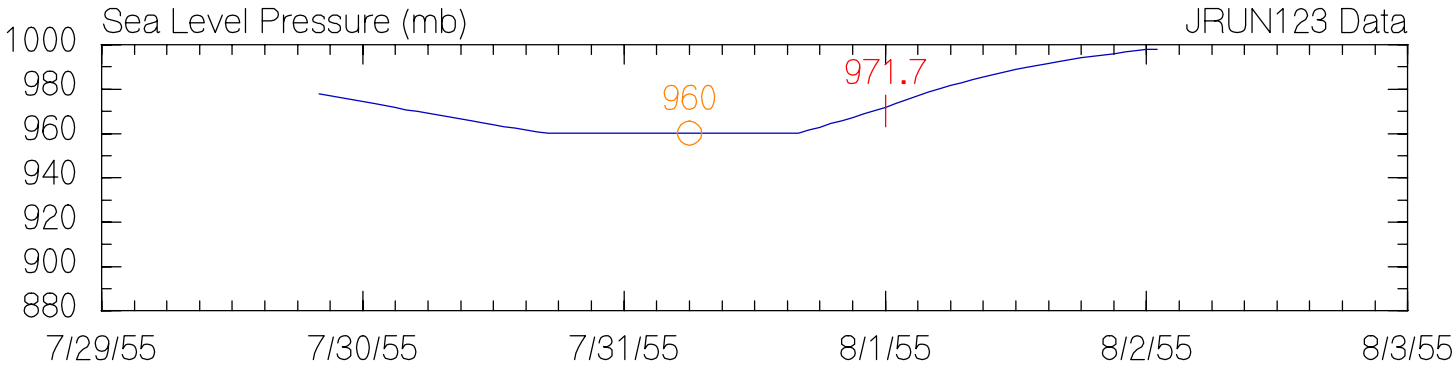


JRUN123 Data









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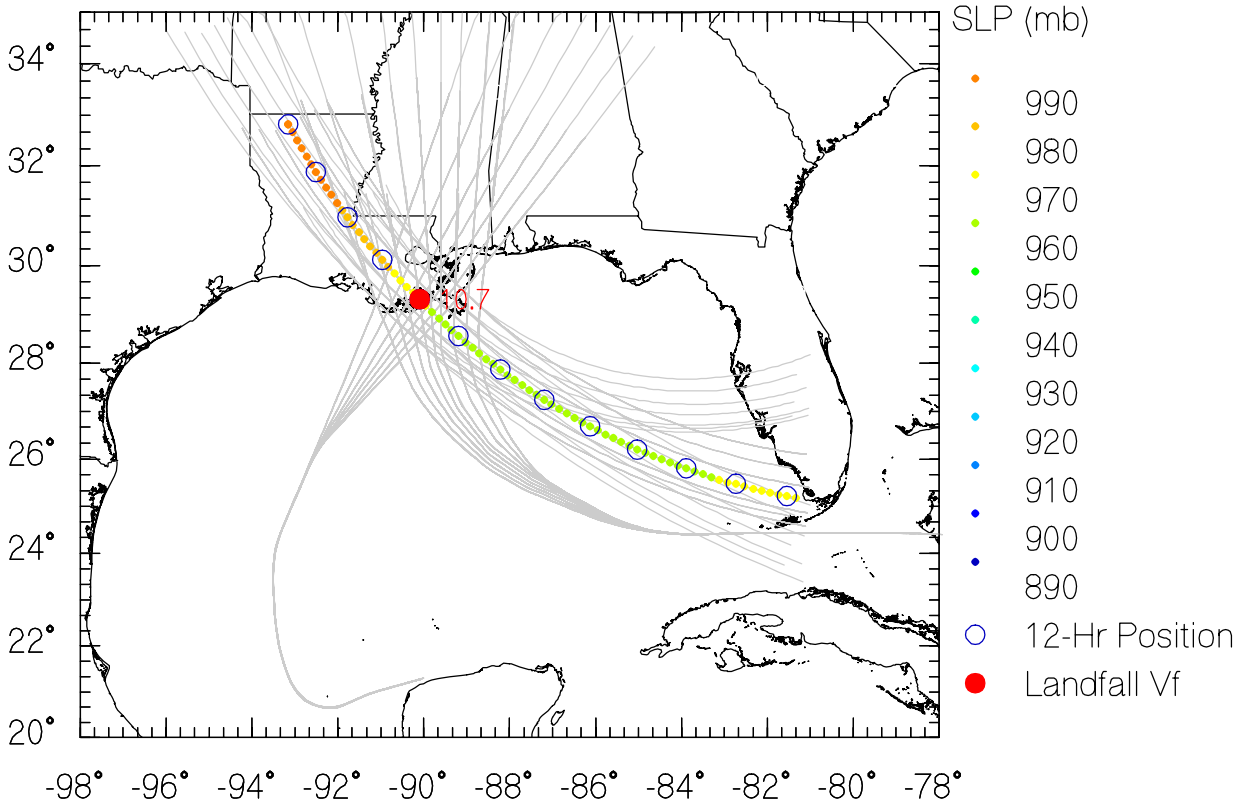

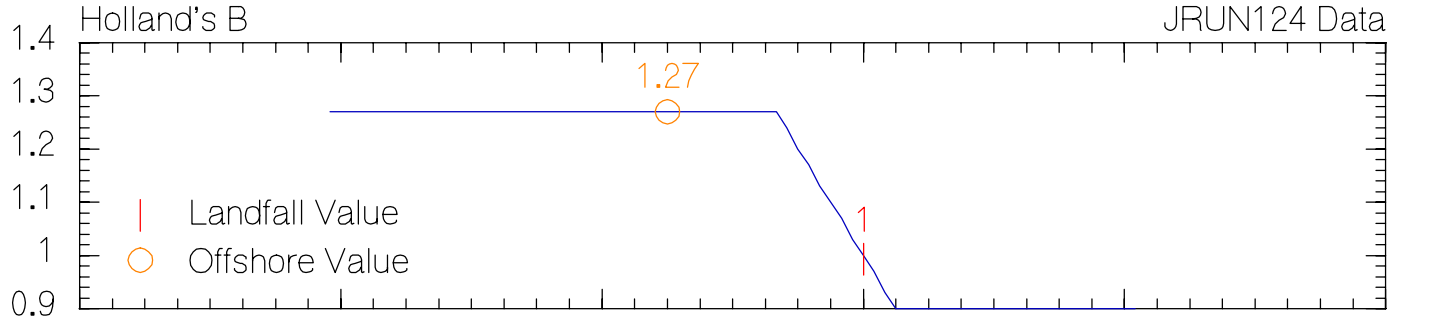

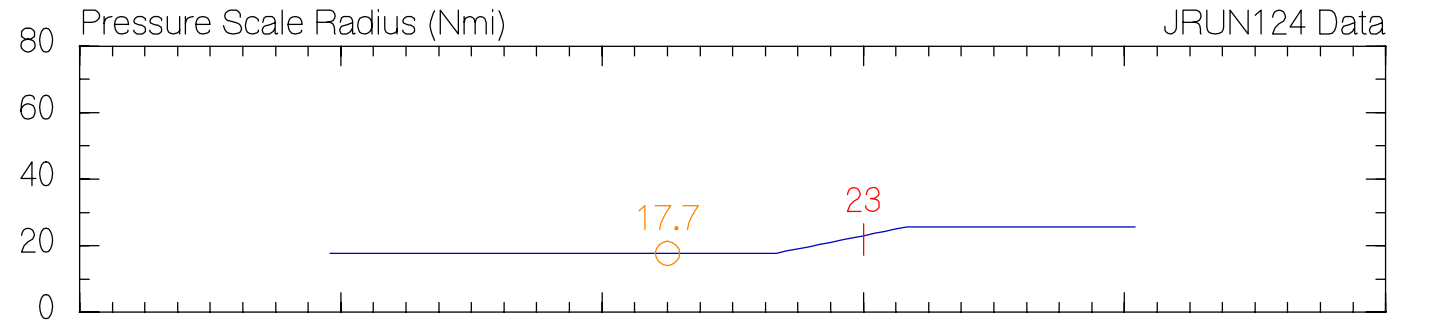

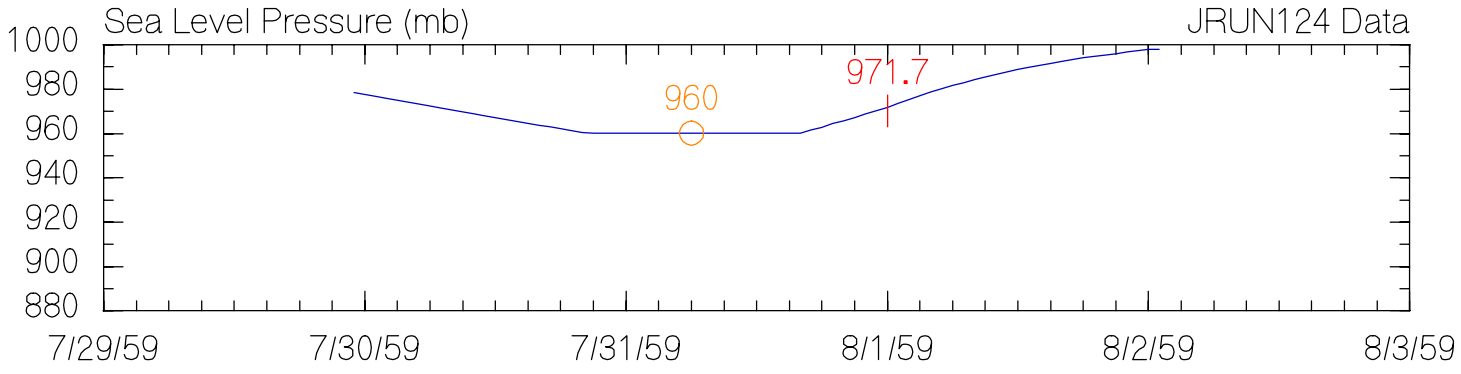

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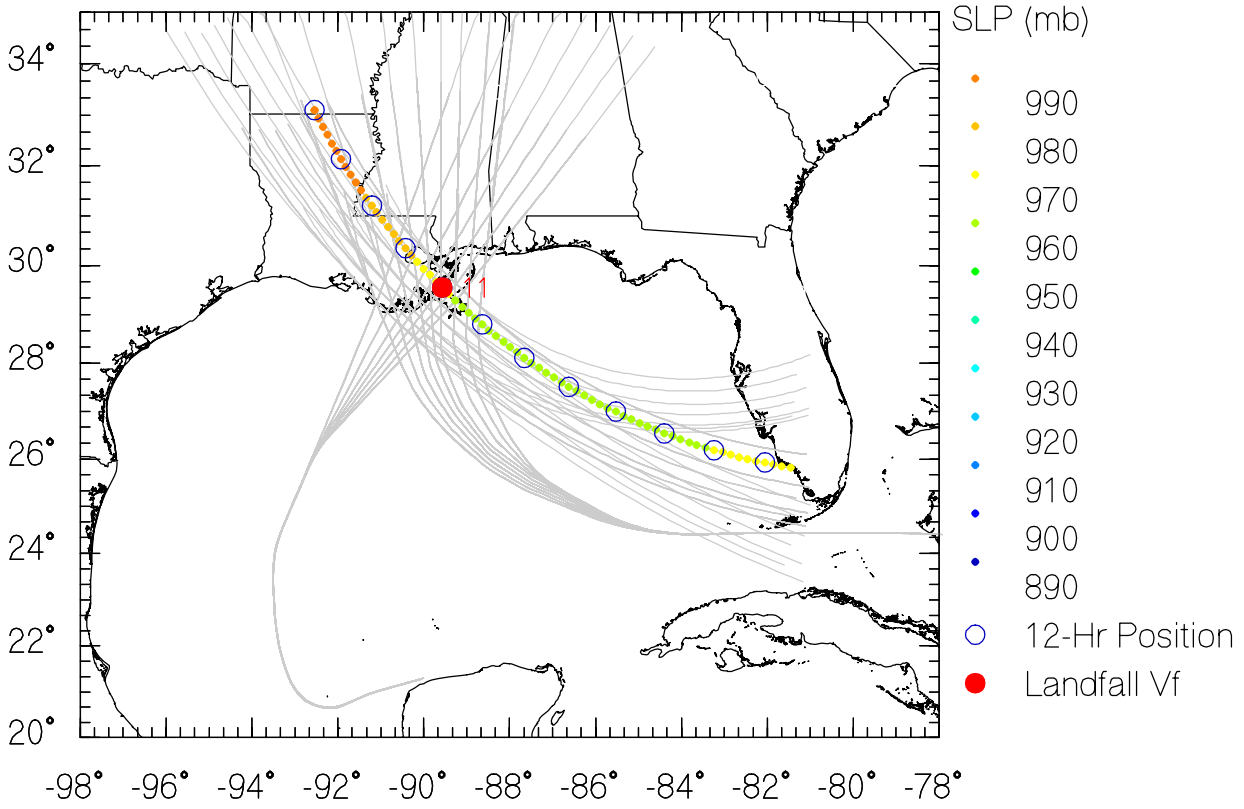

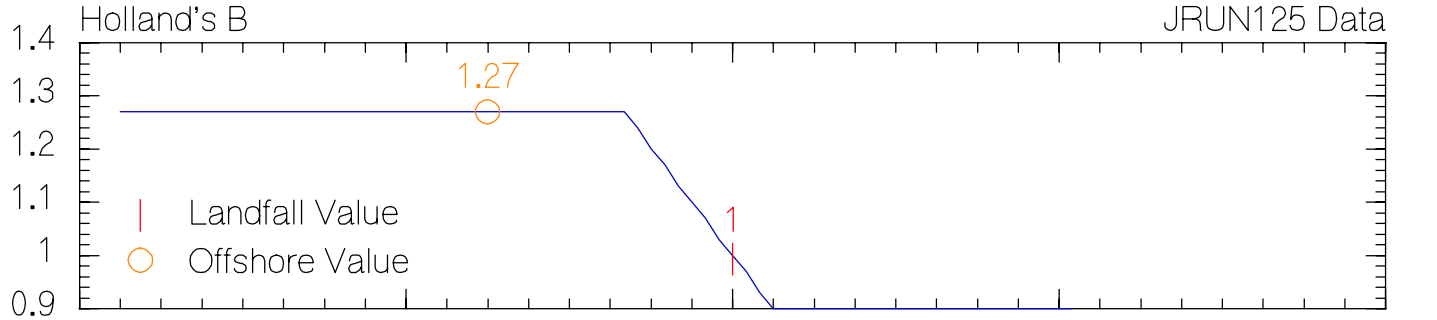

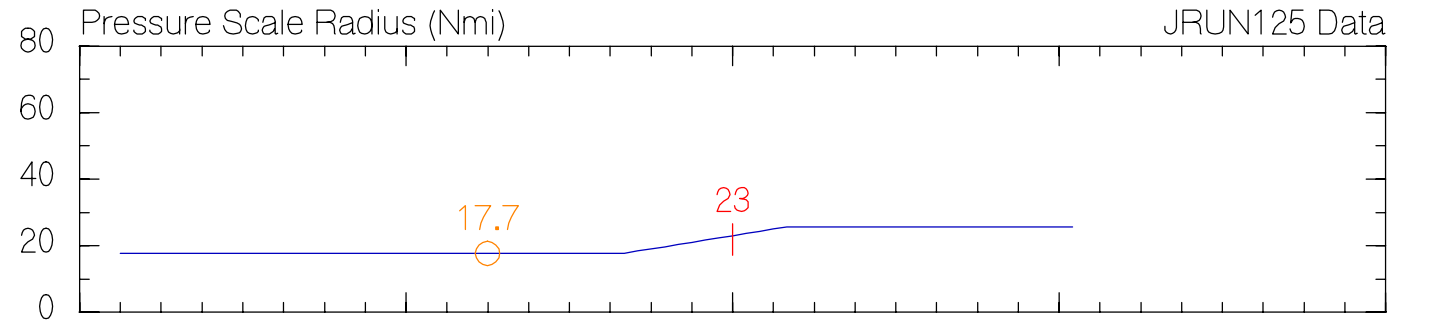

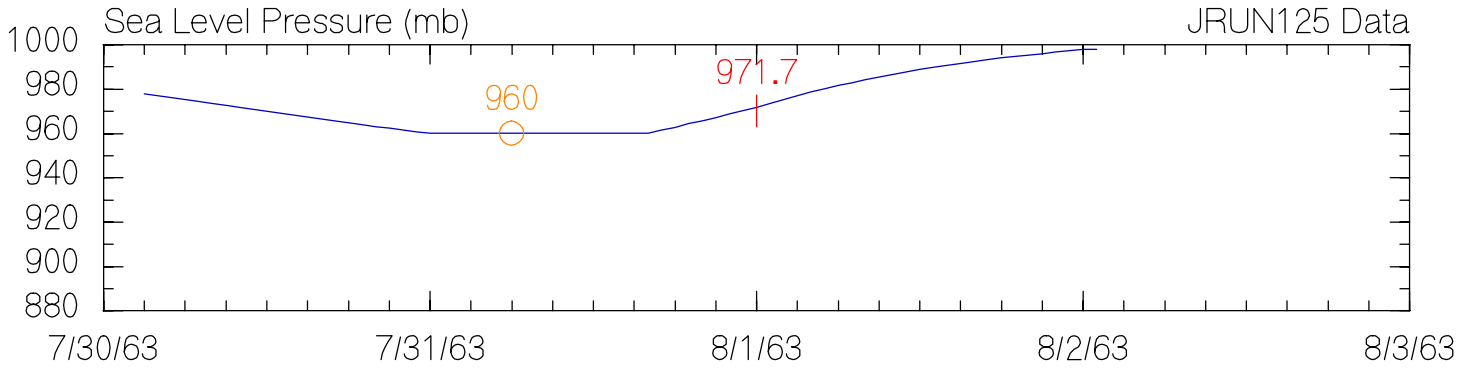

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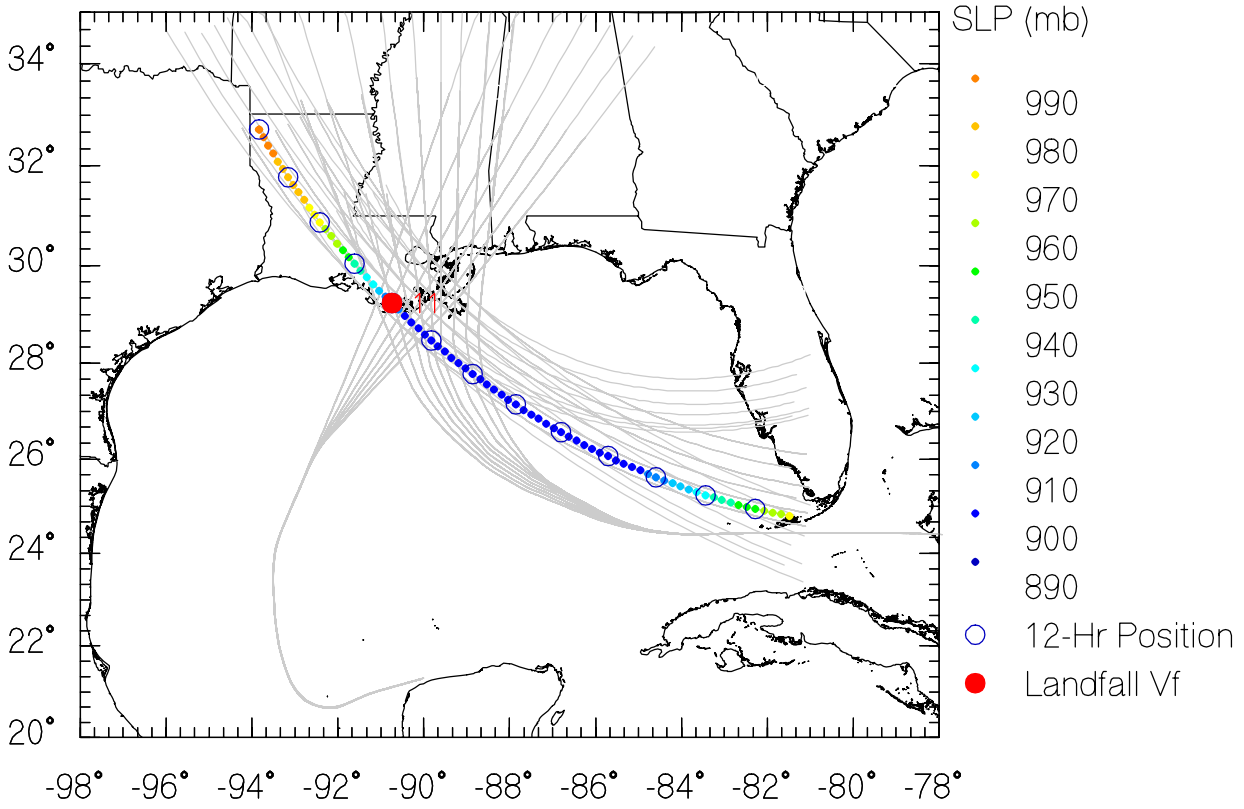

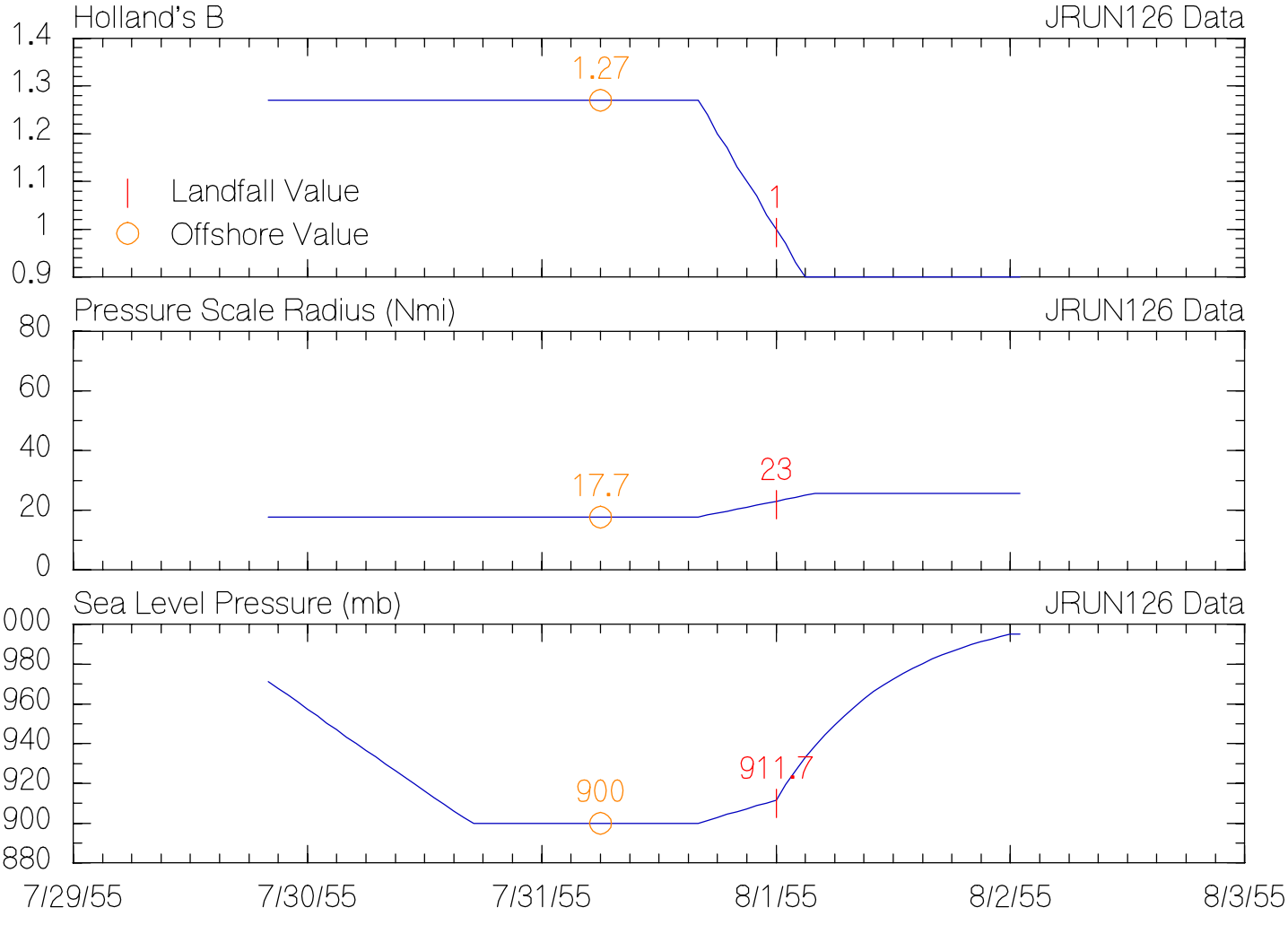

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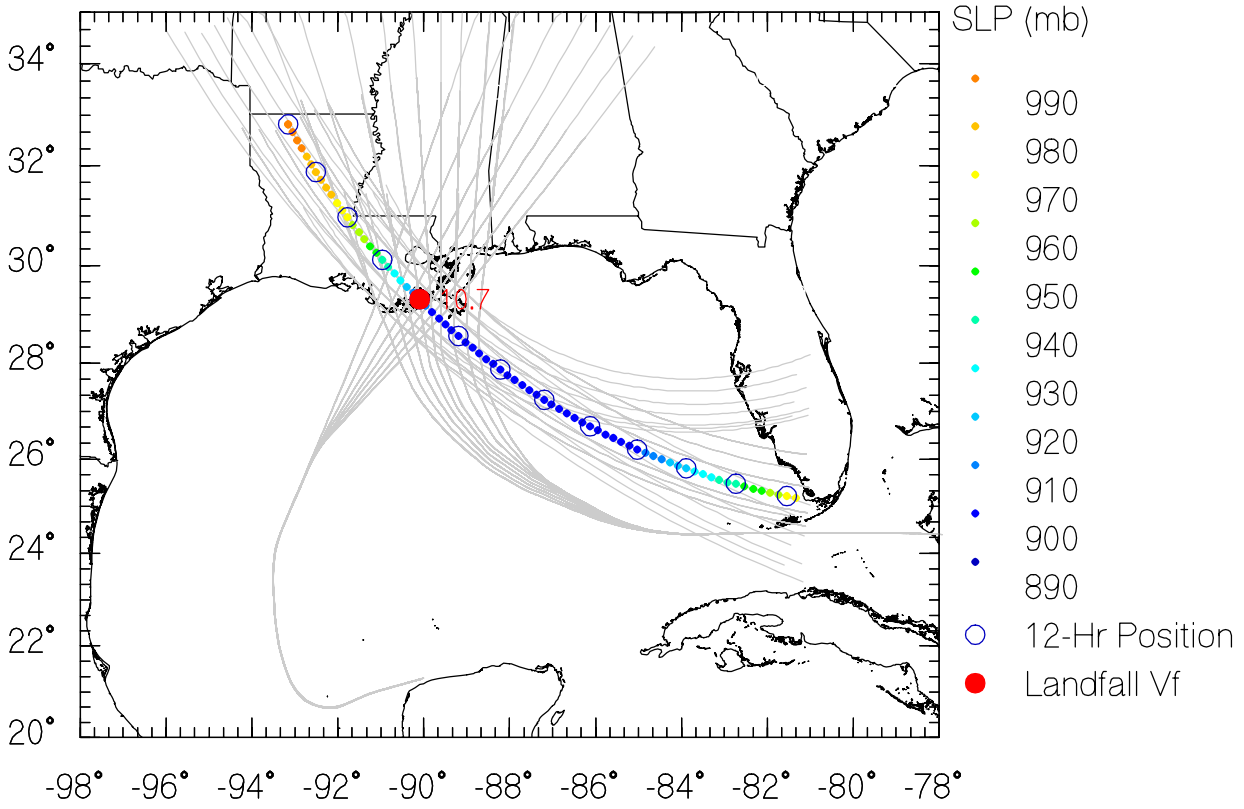

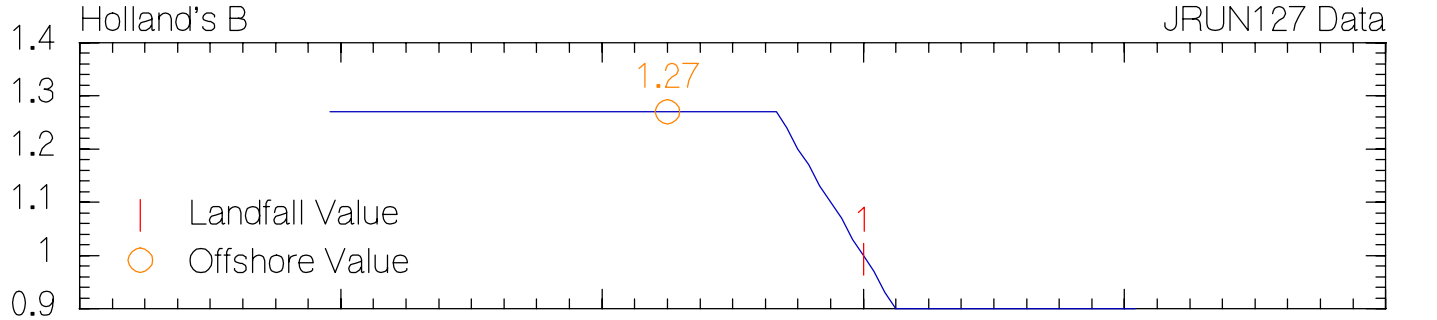

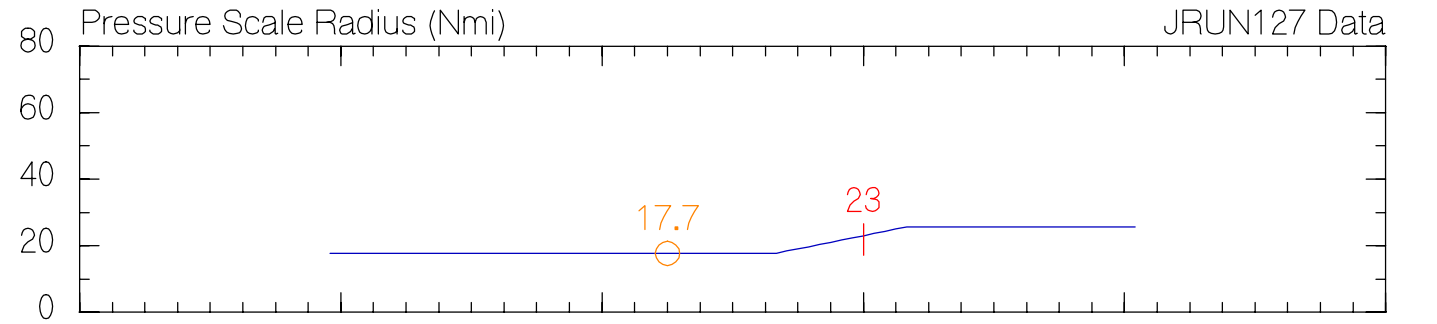

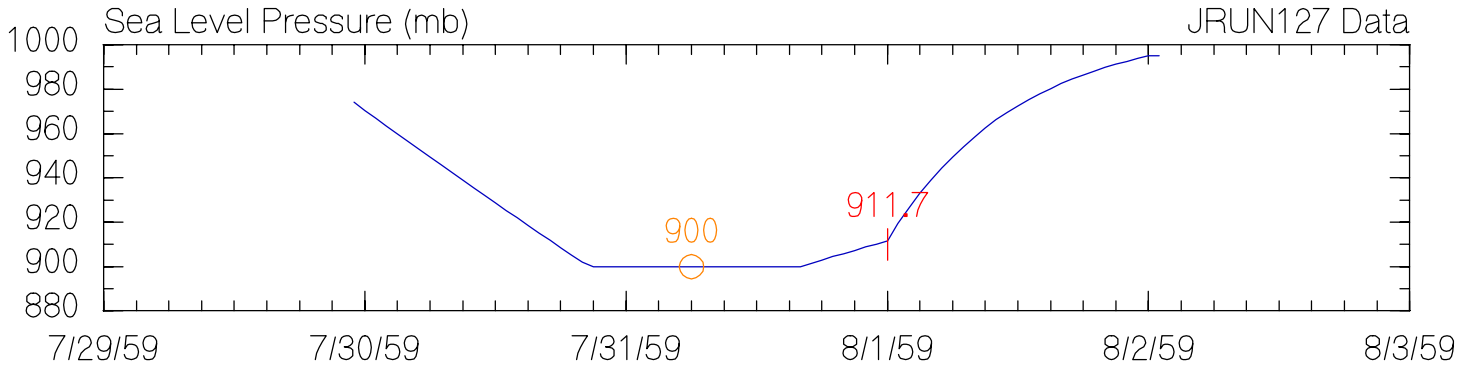

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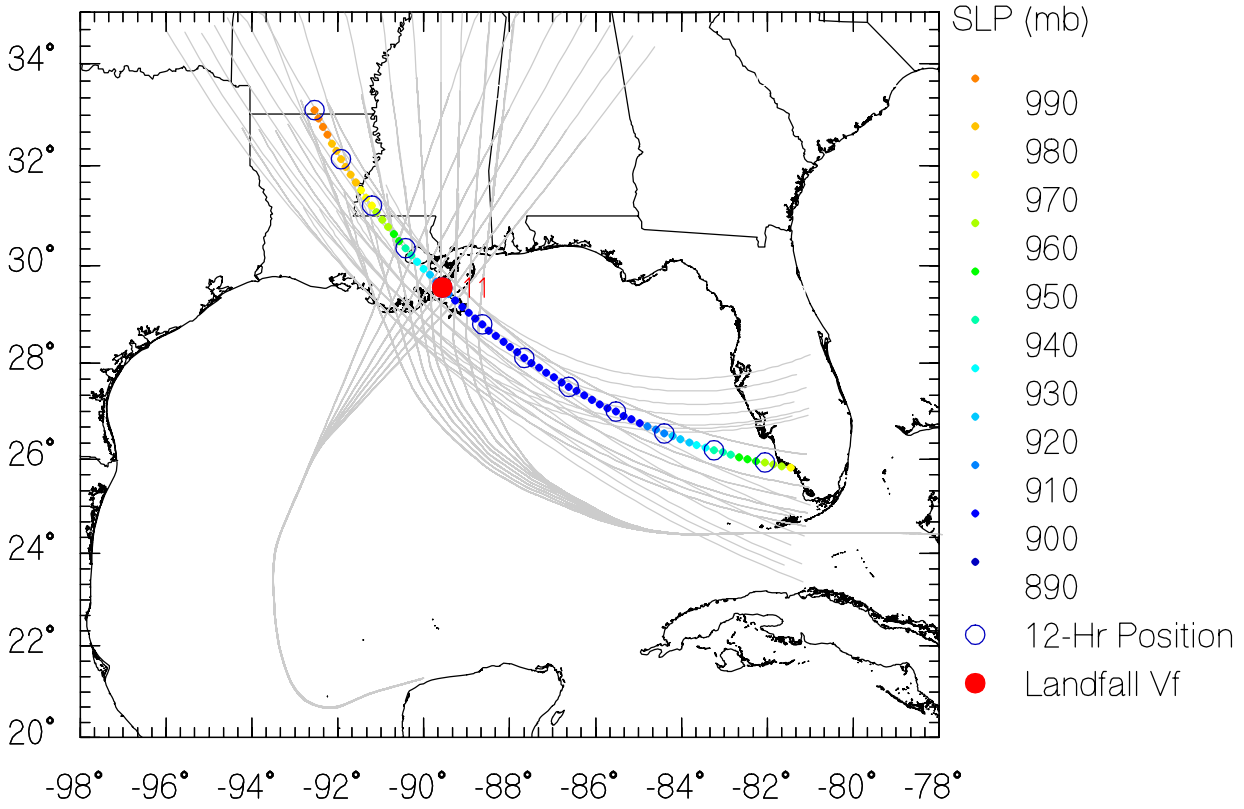

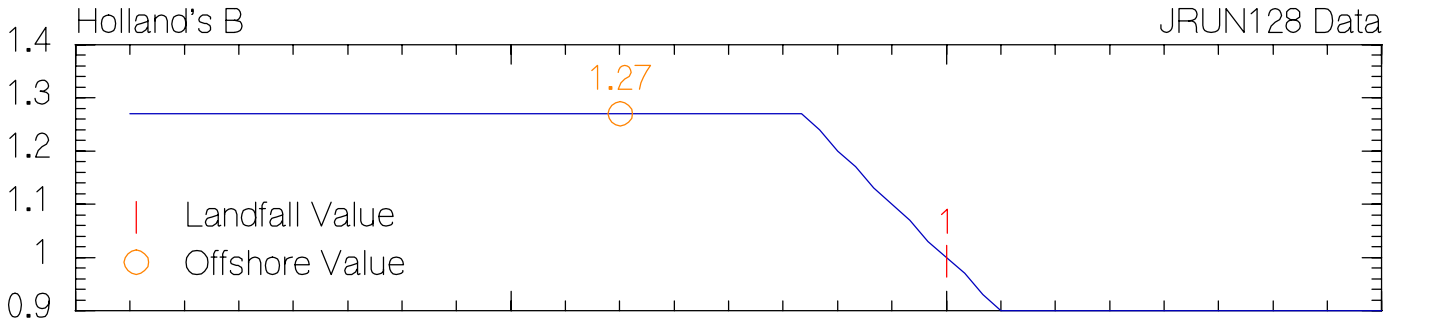

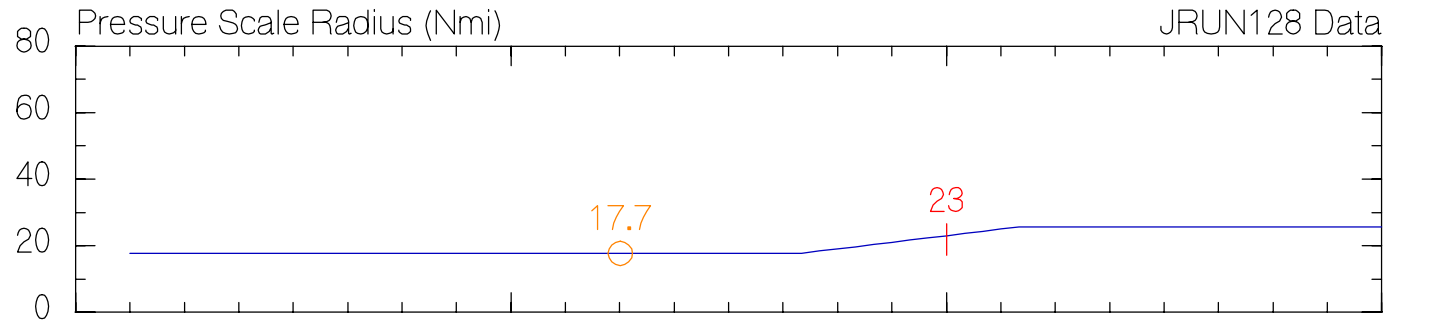

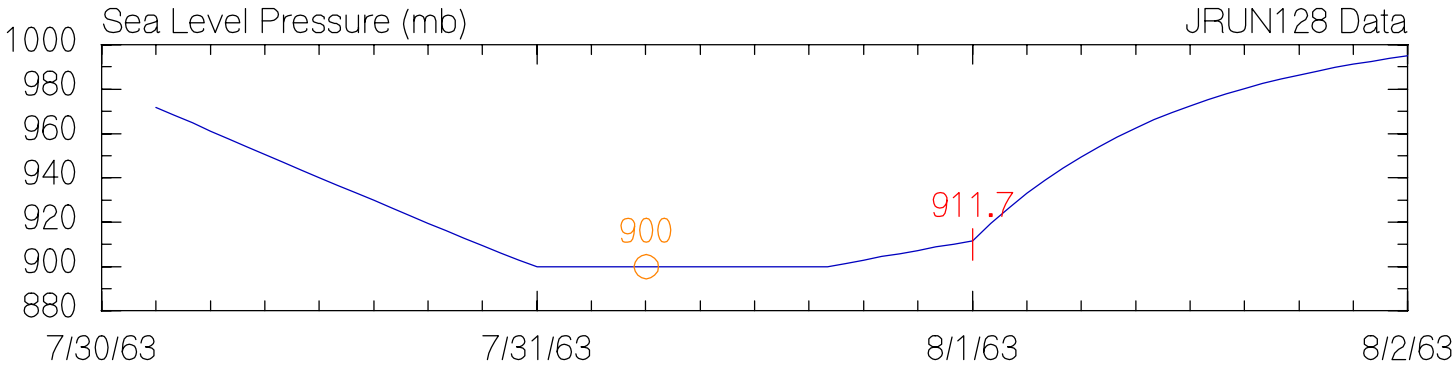

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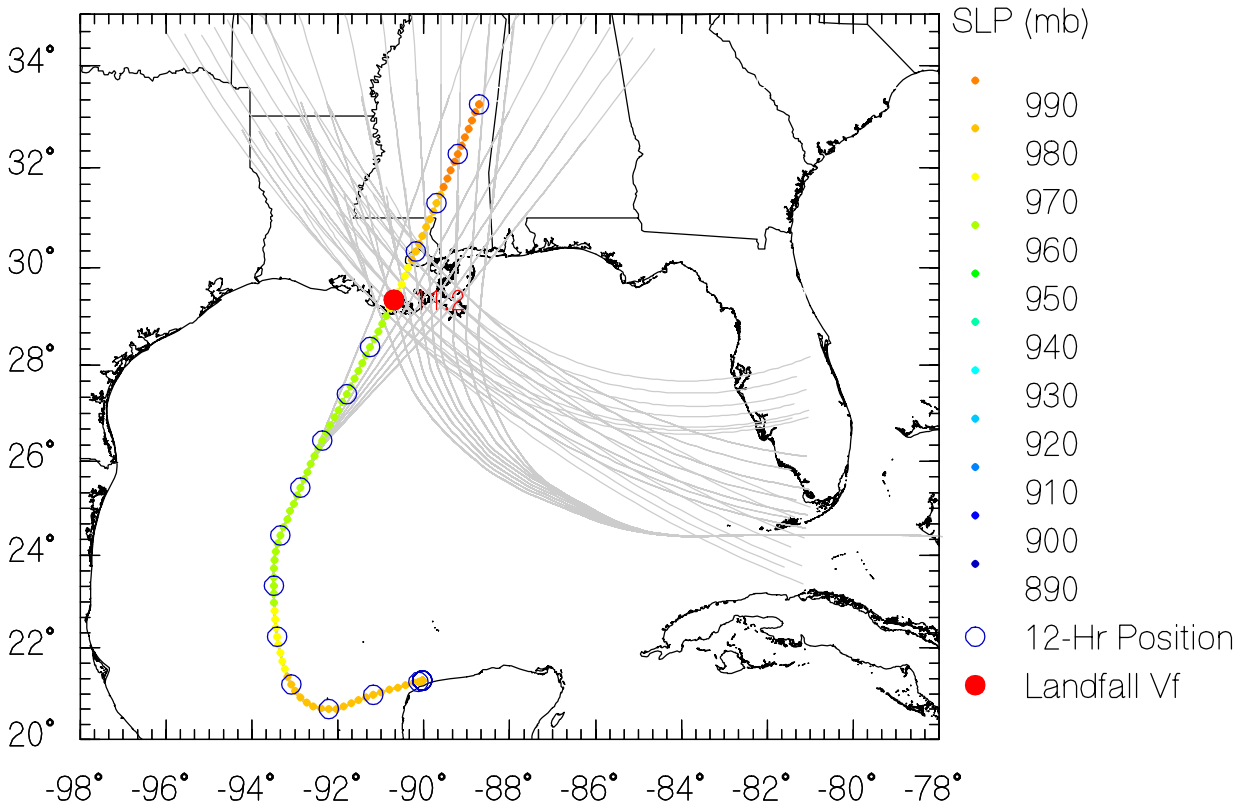

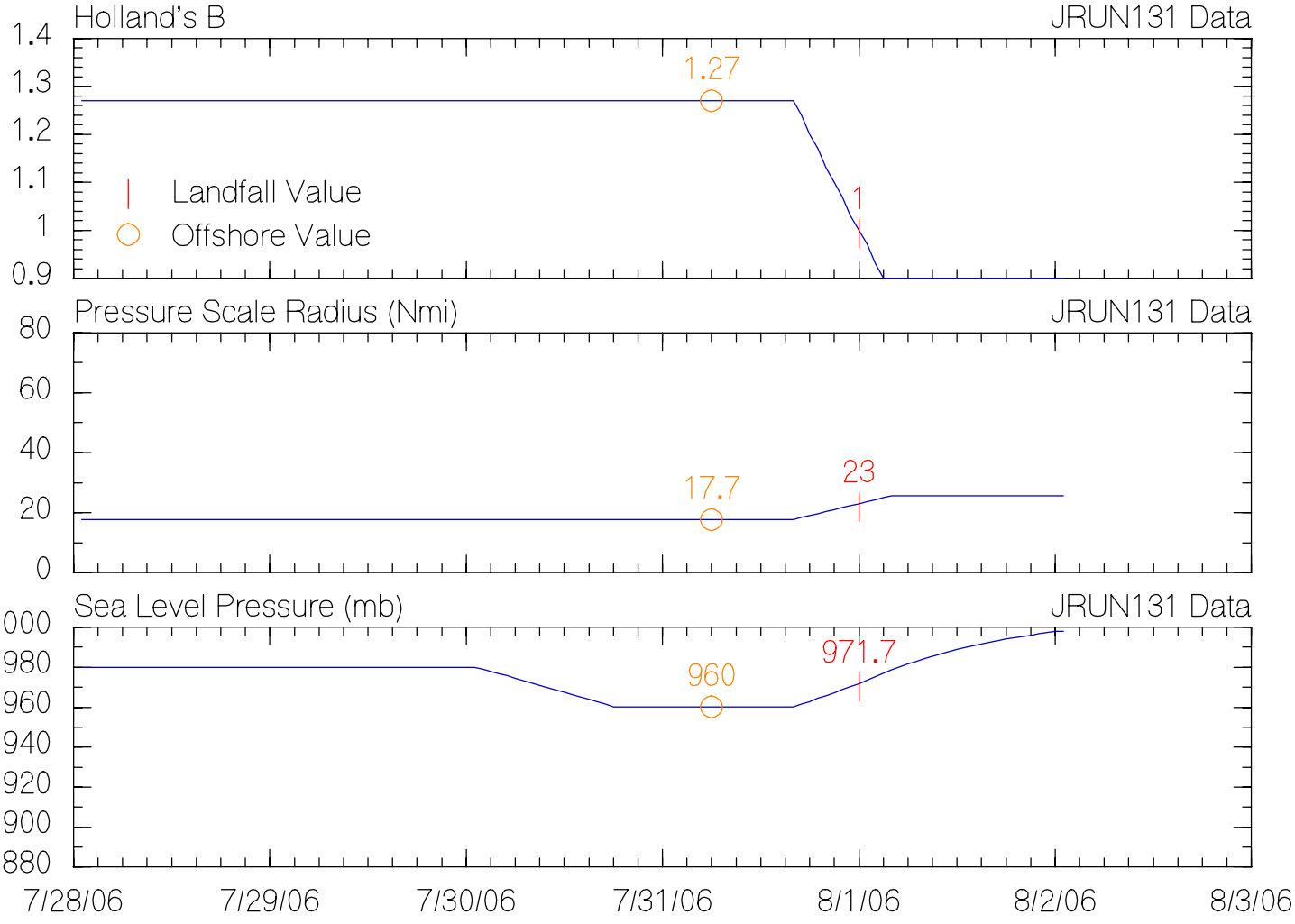

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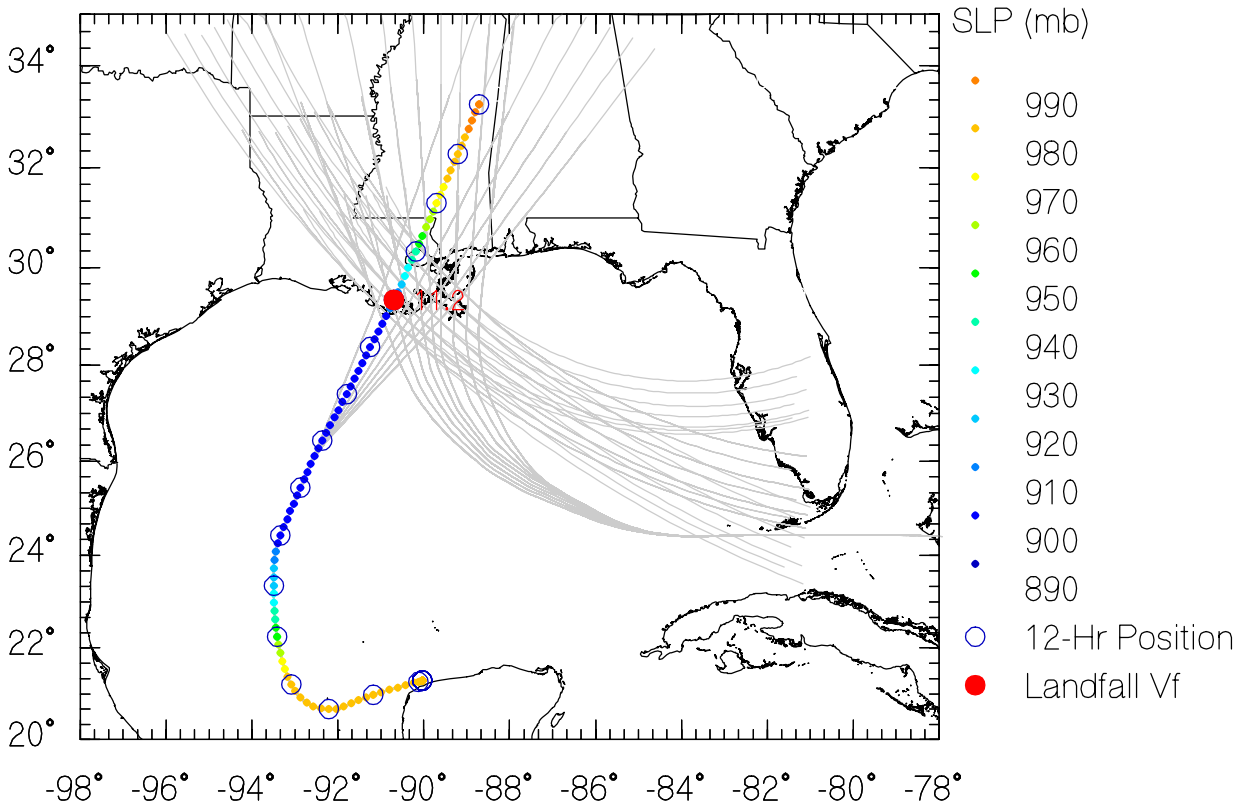

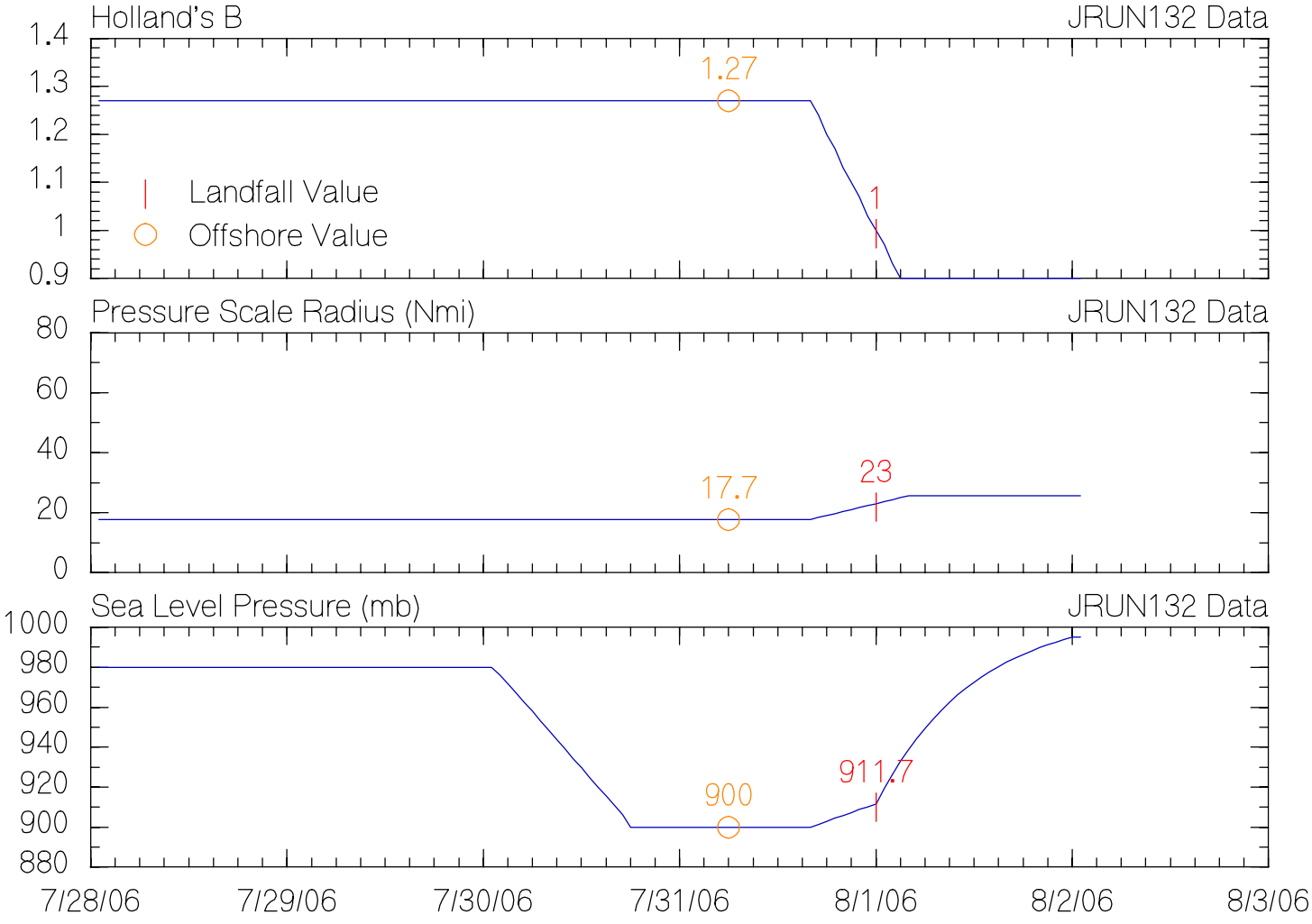

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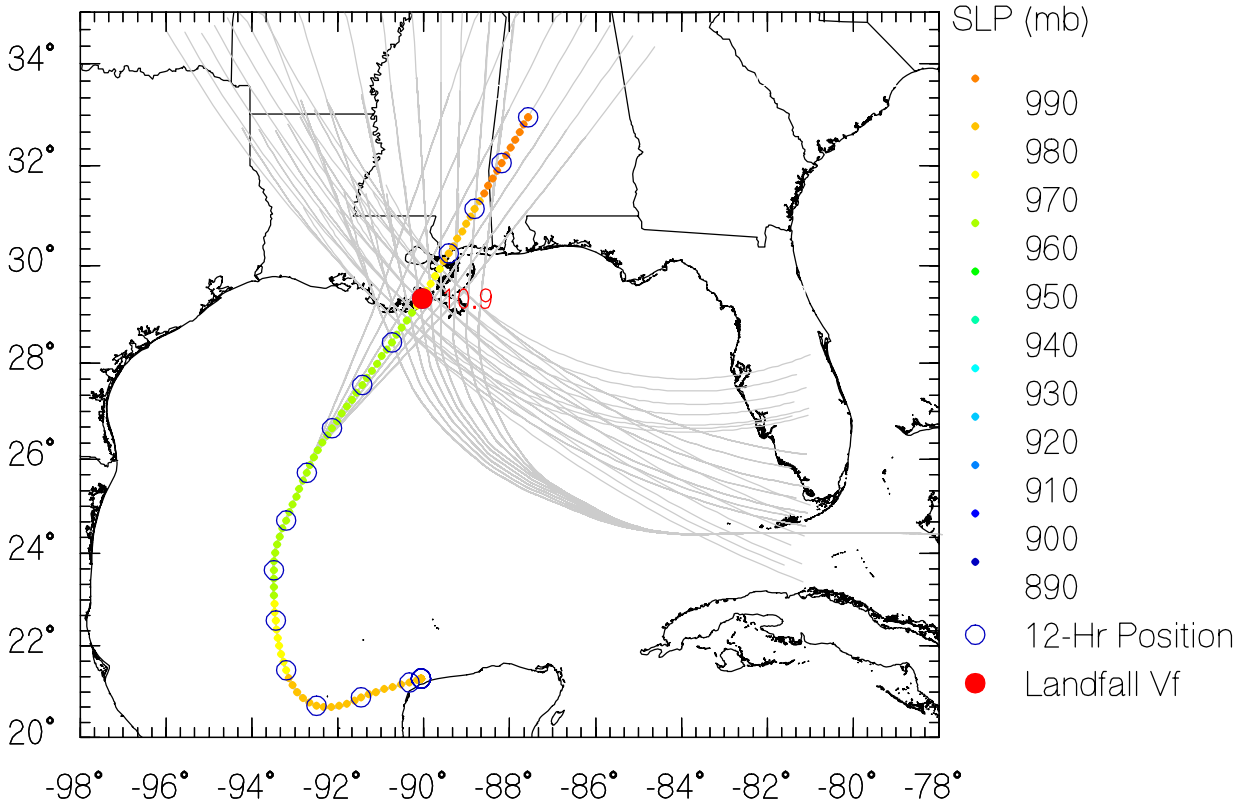

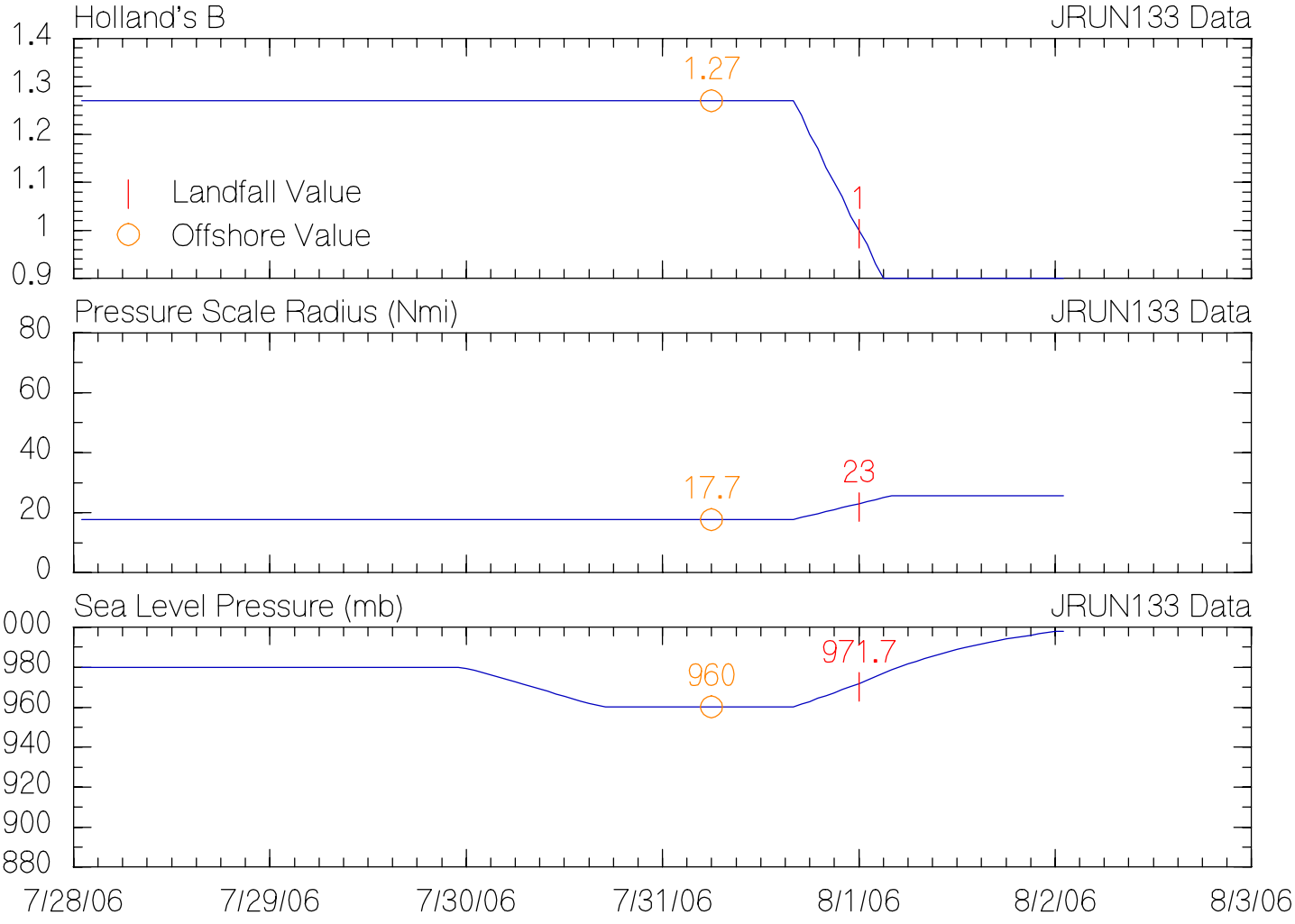

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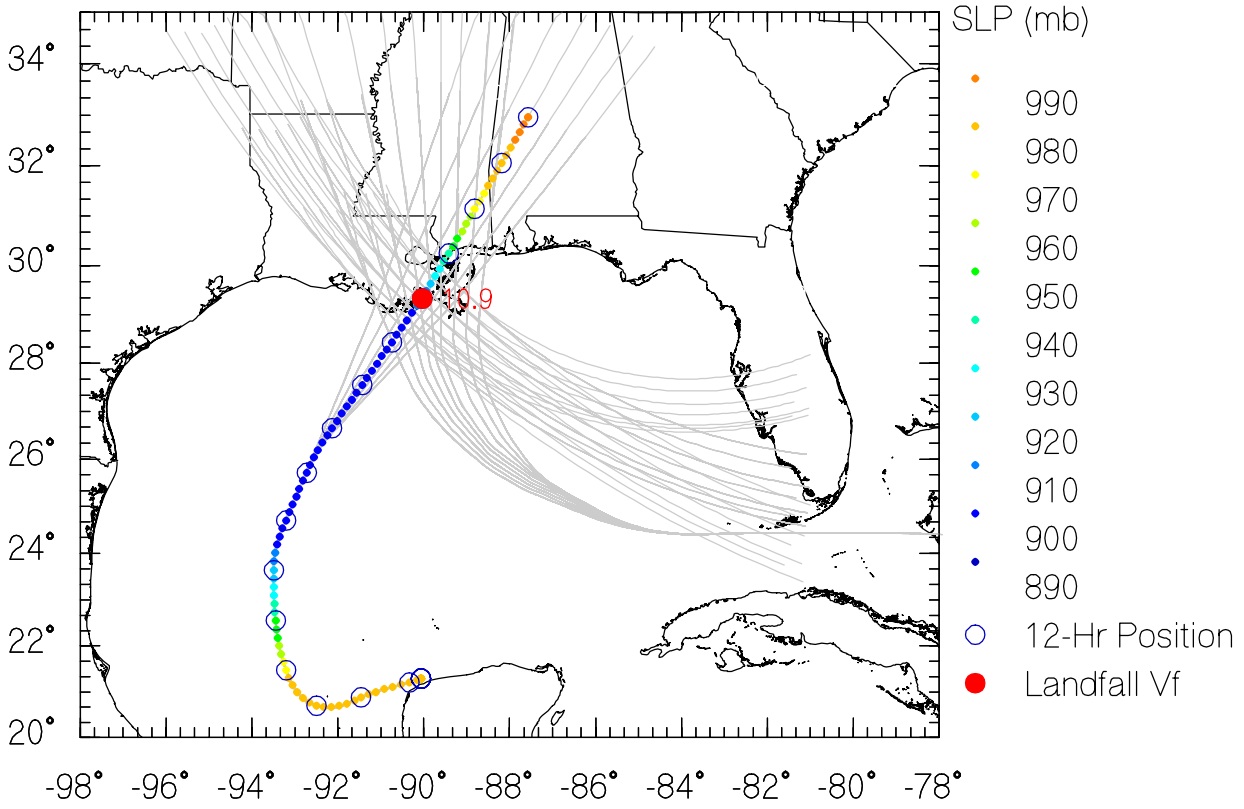

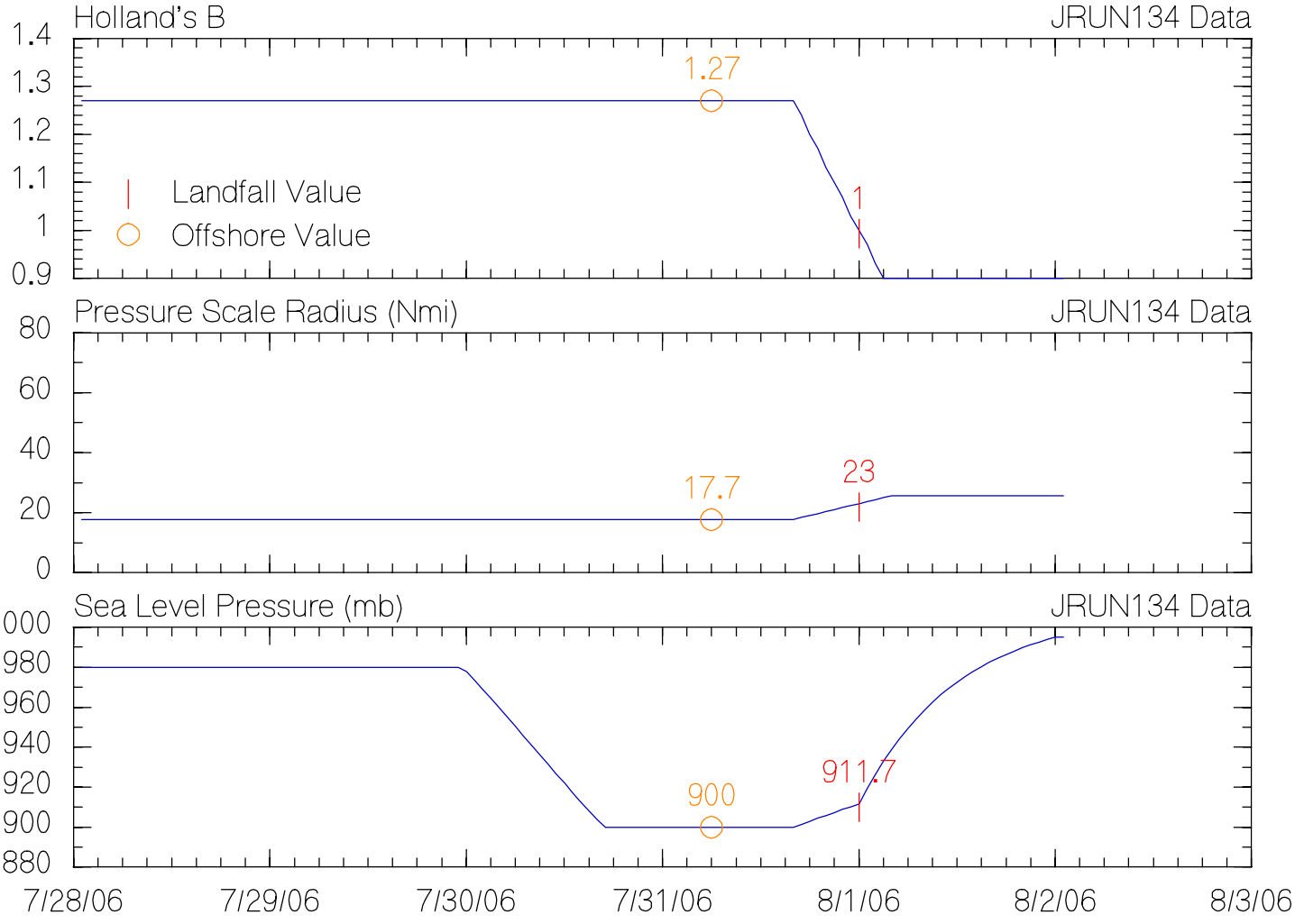

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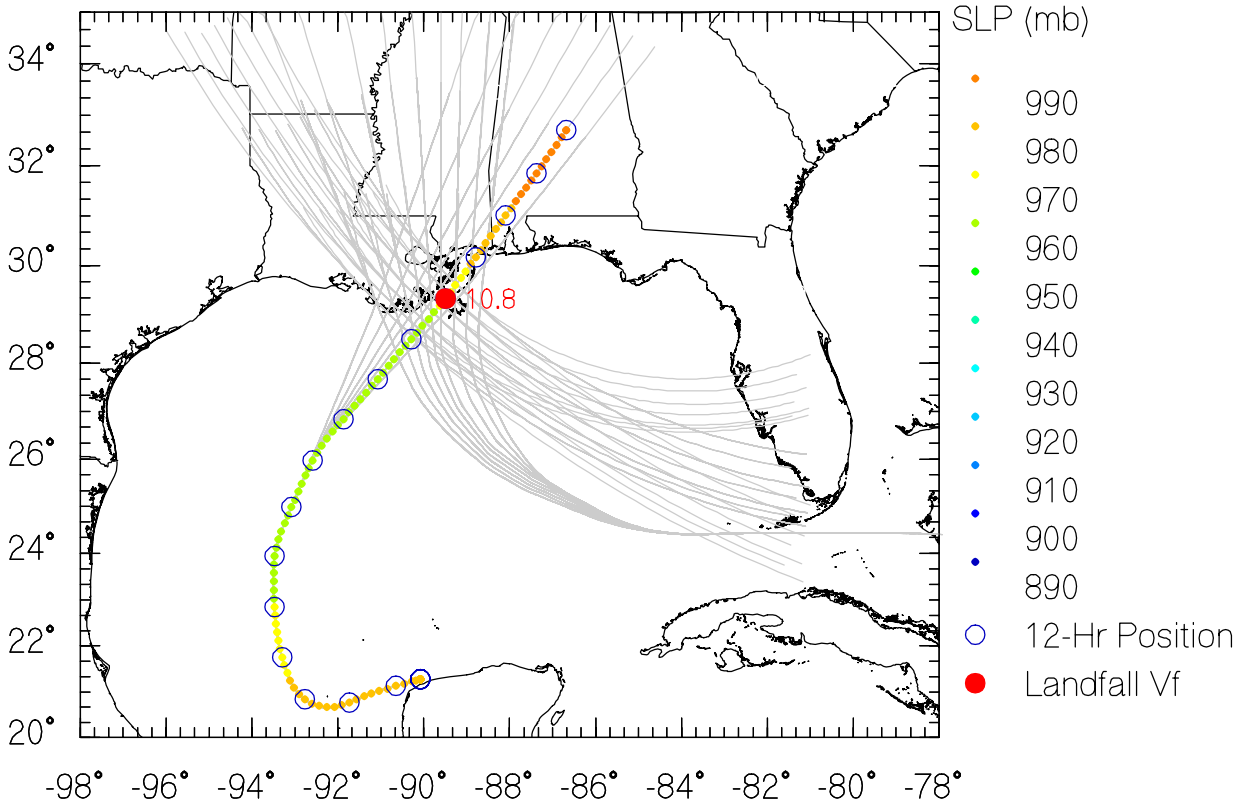

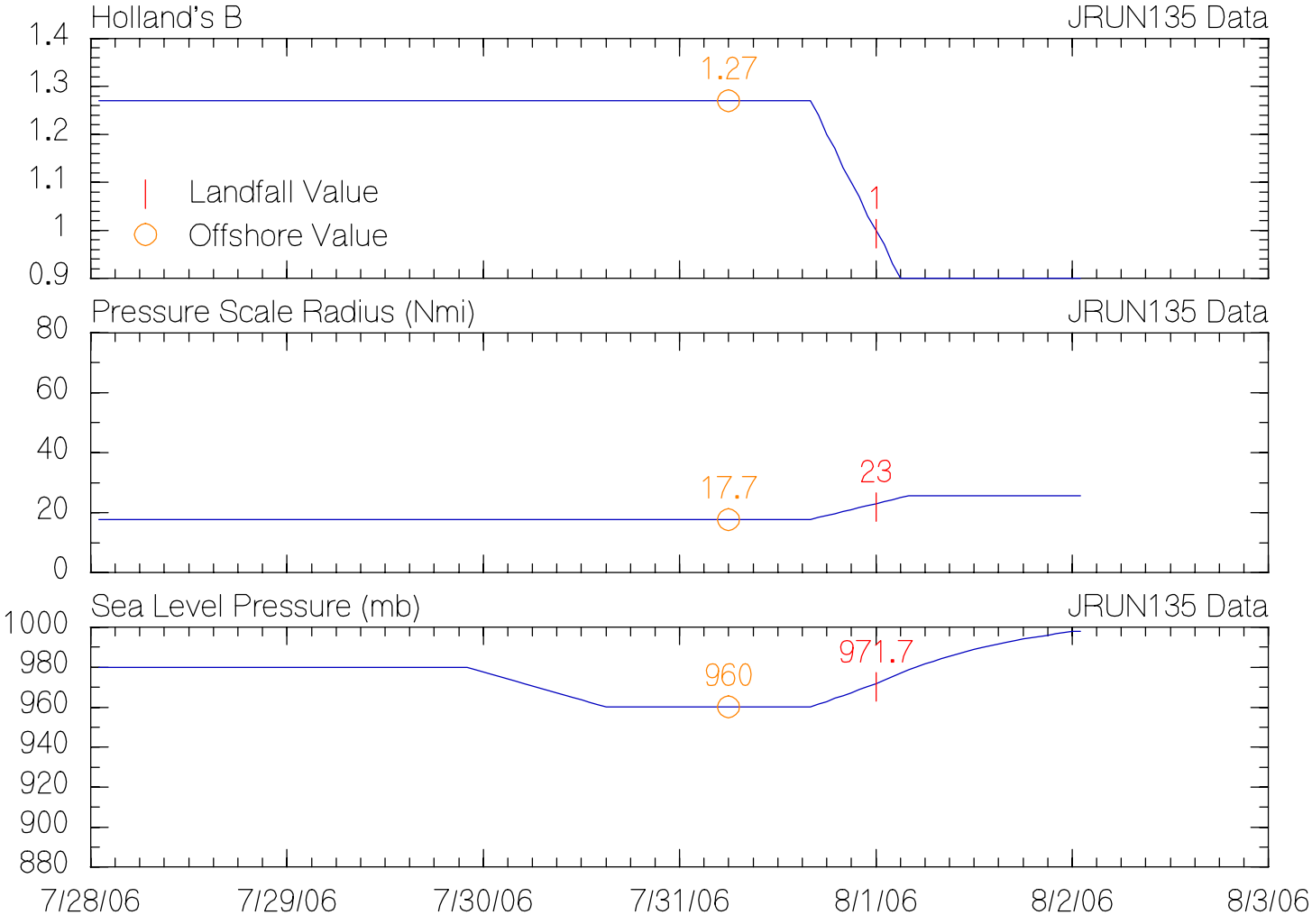

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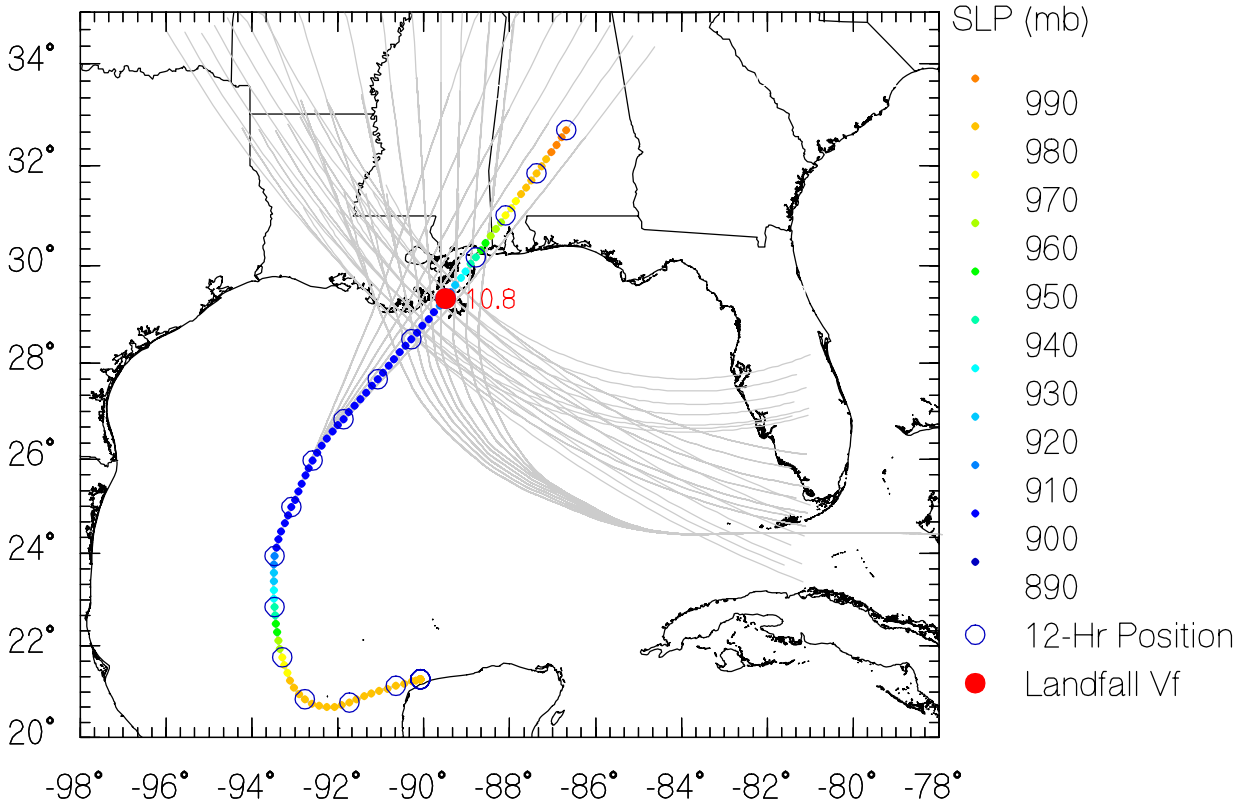

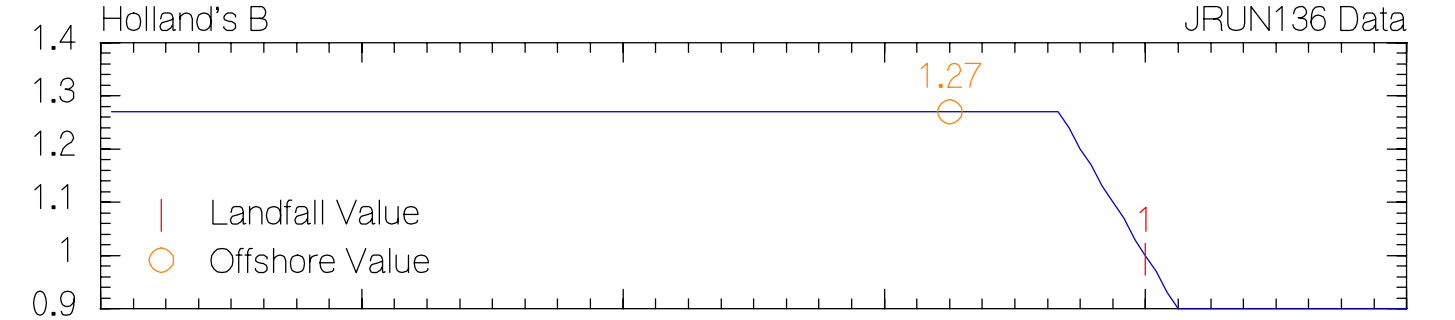

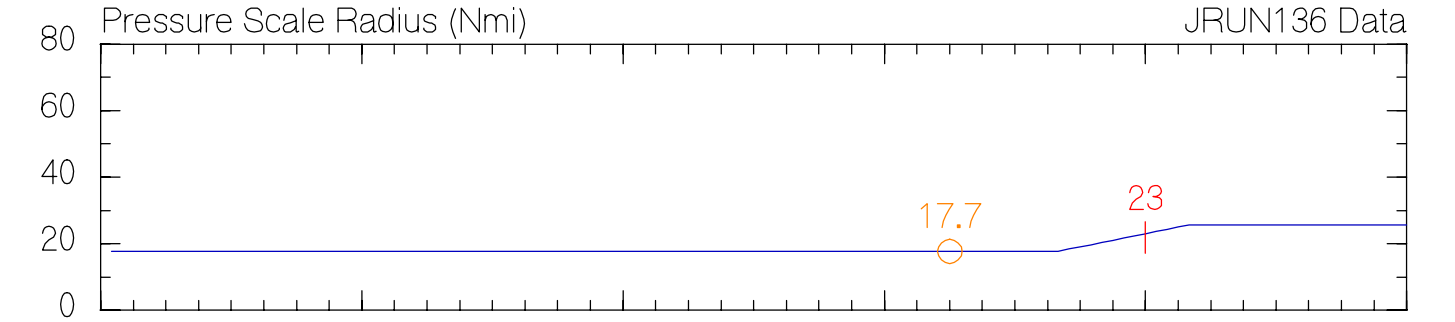

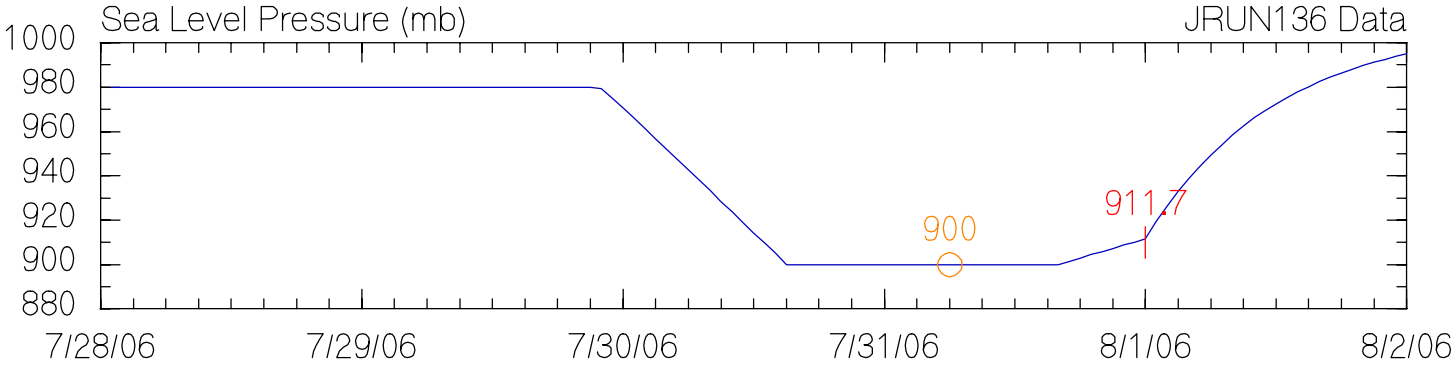

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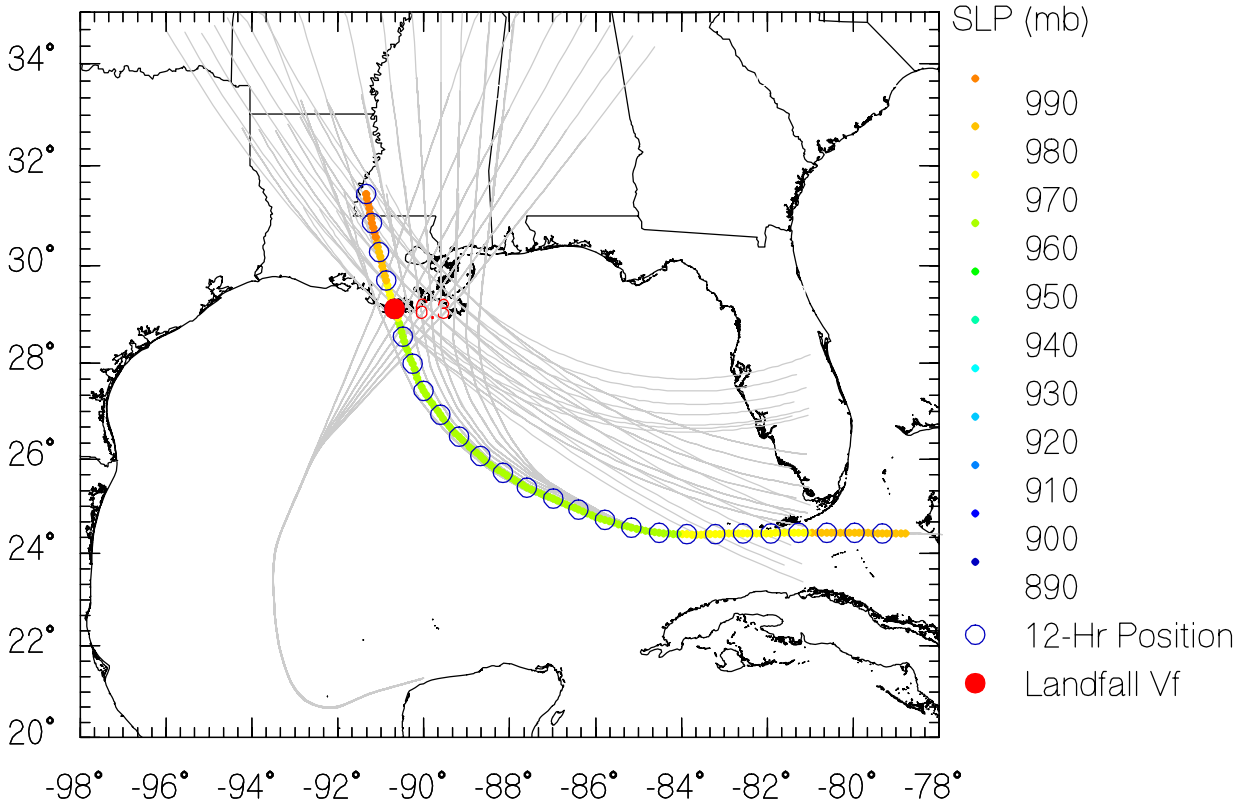

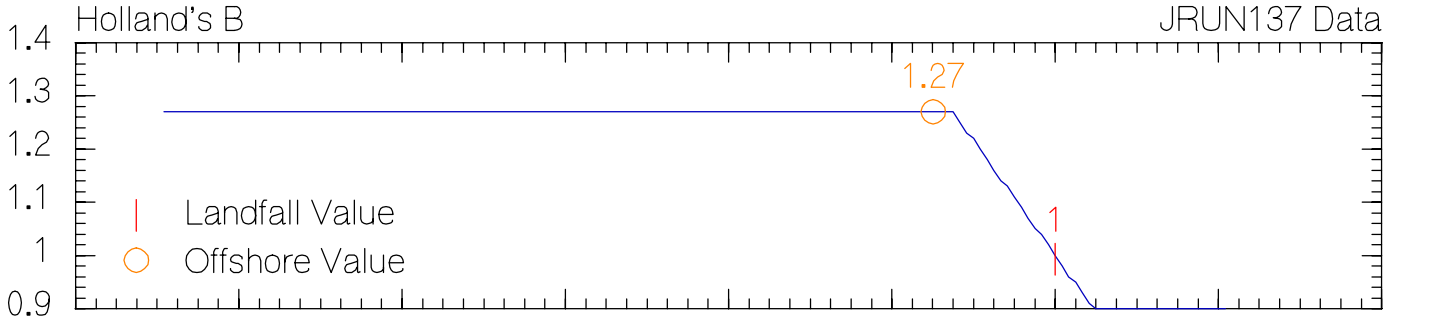

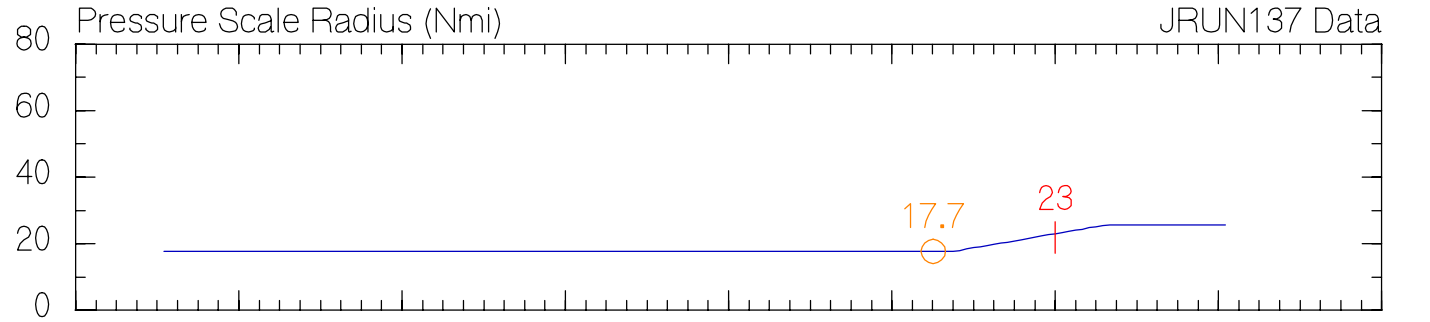

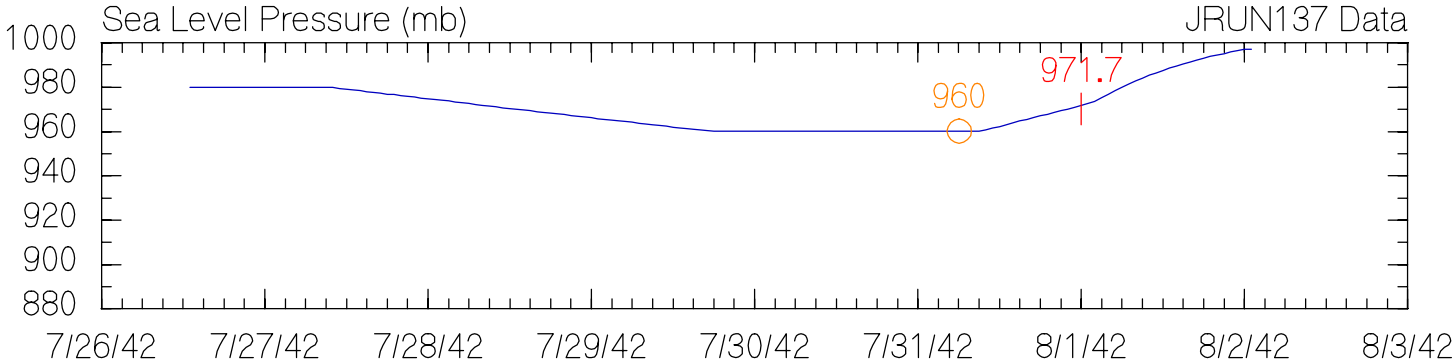

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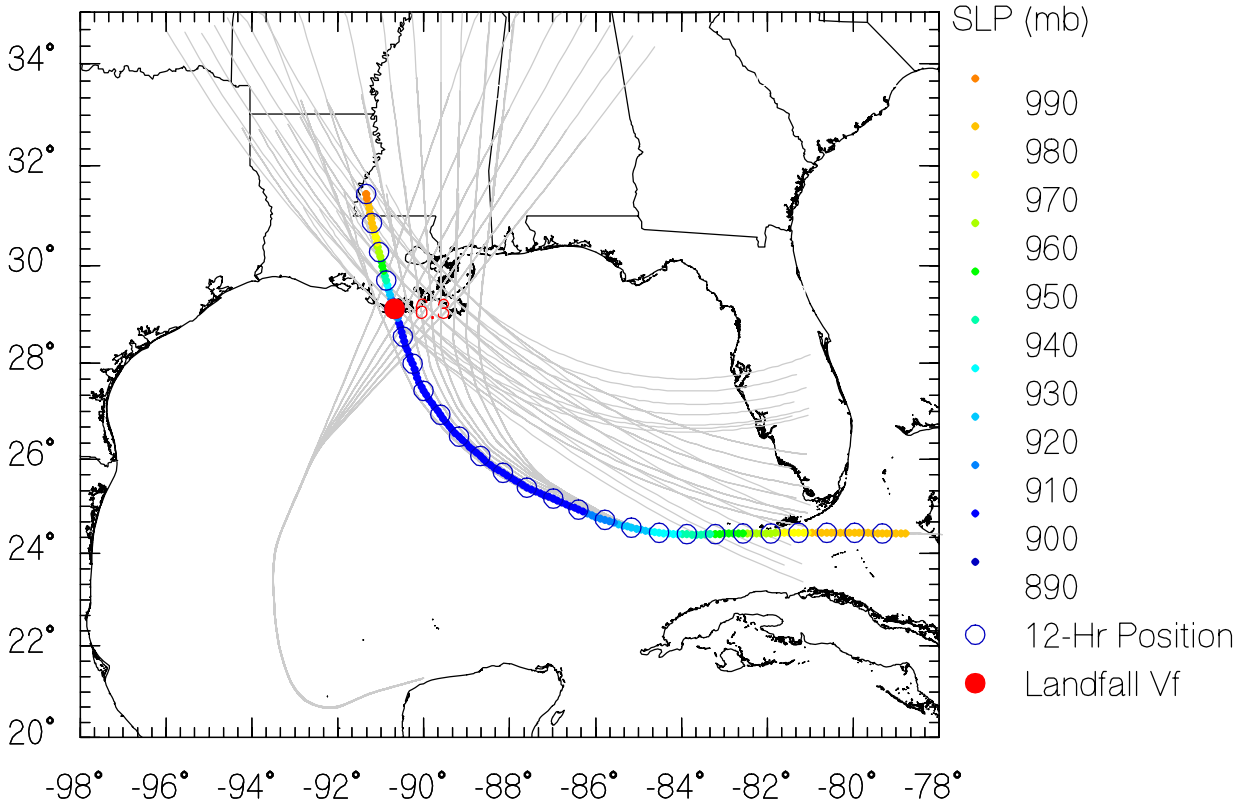

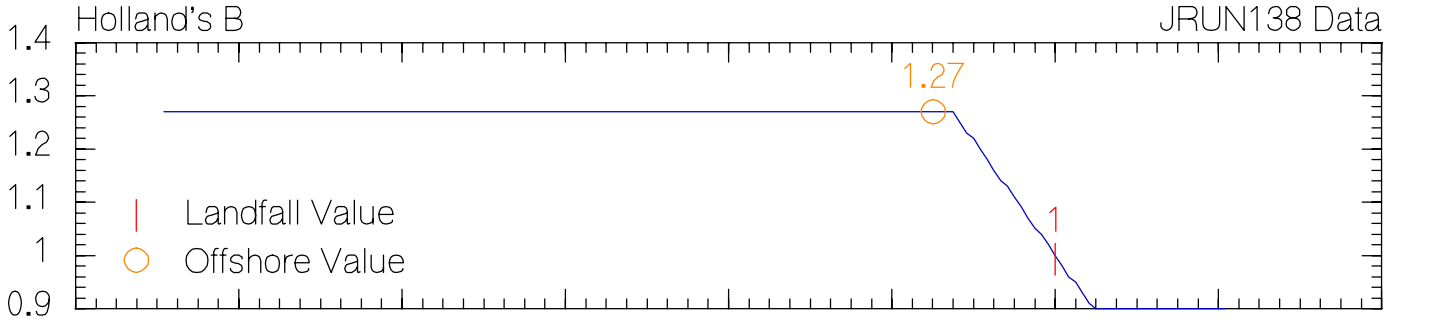

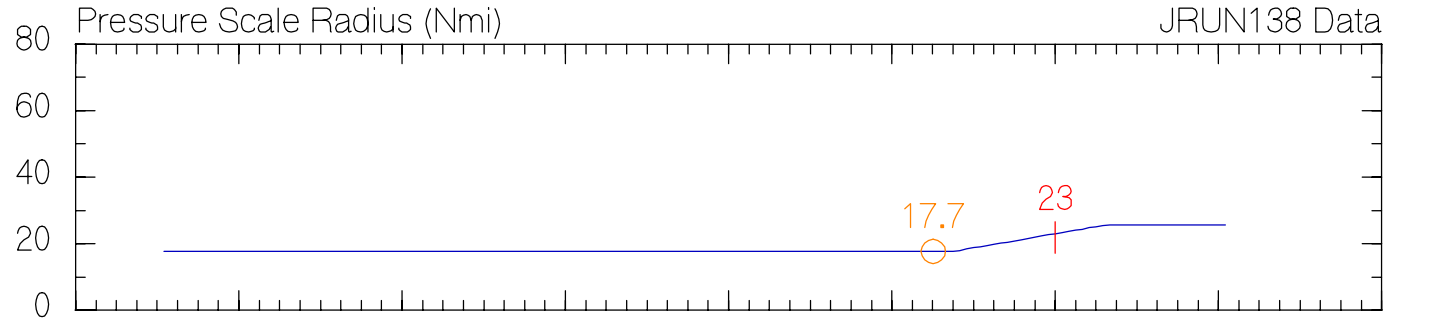

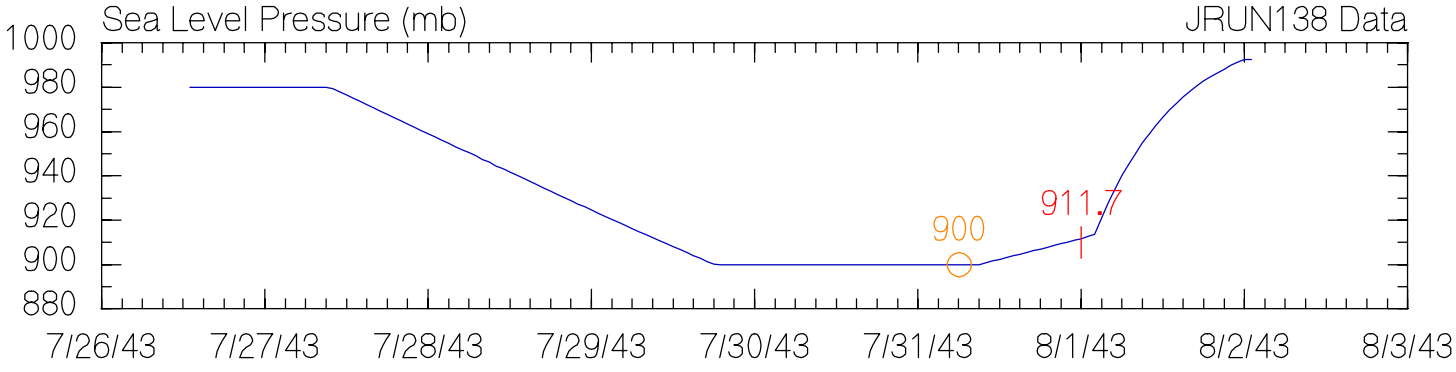

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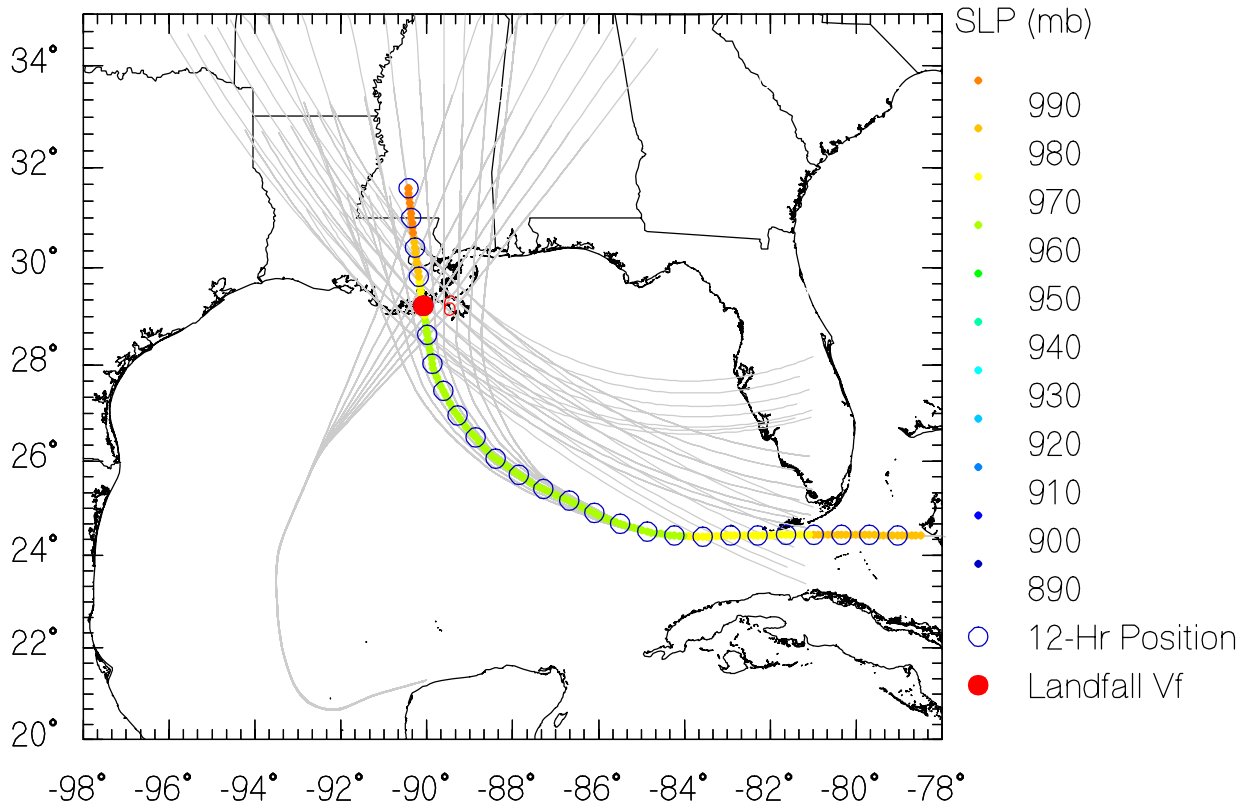

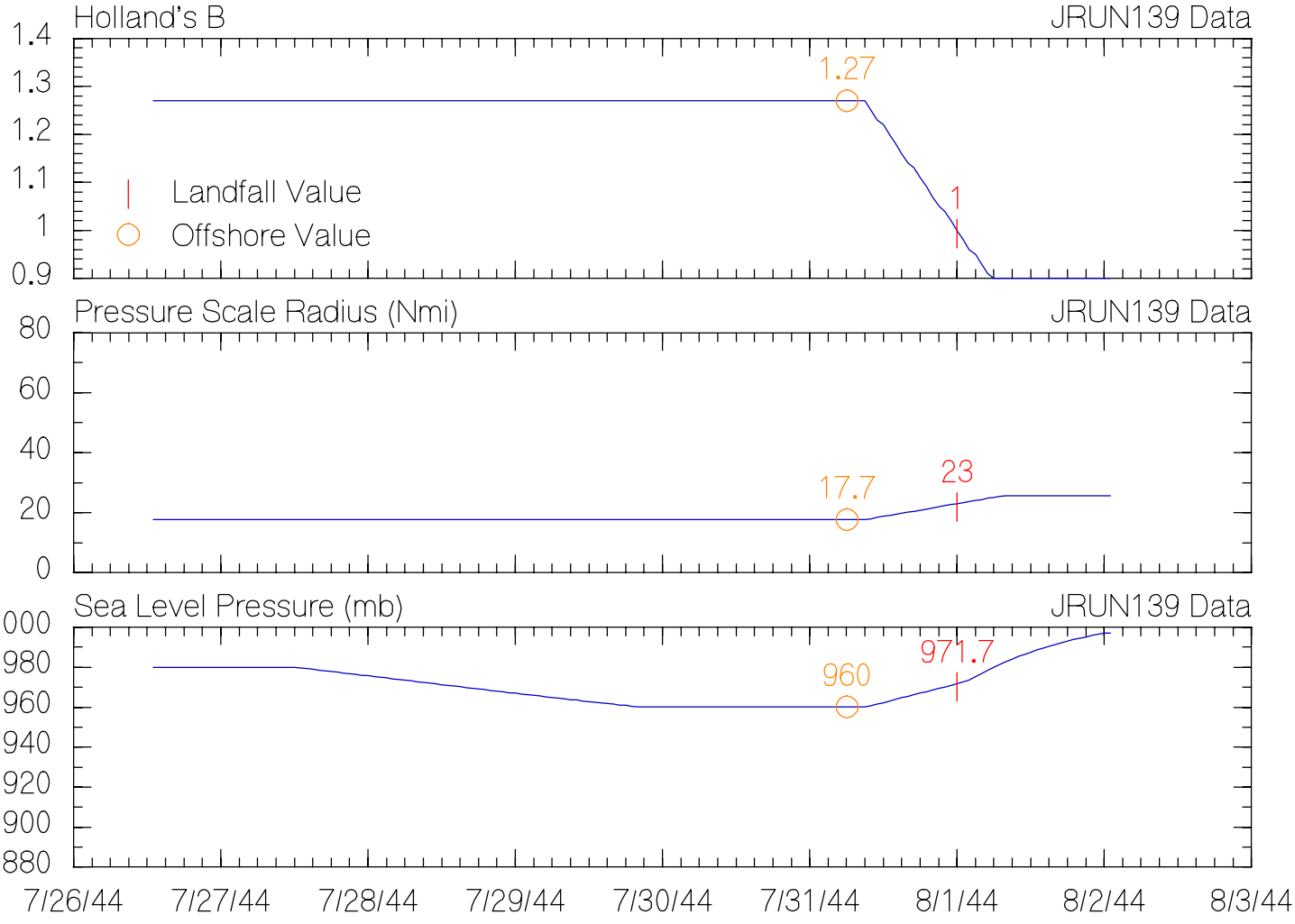

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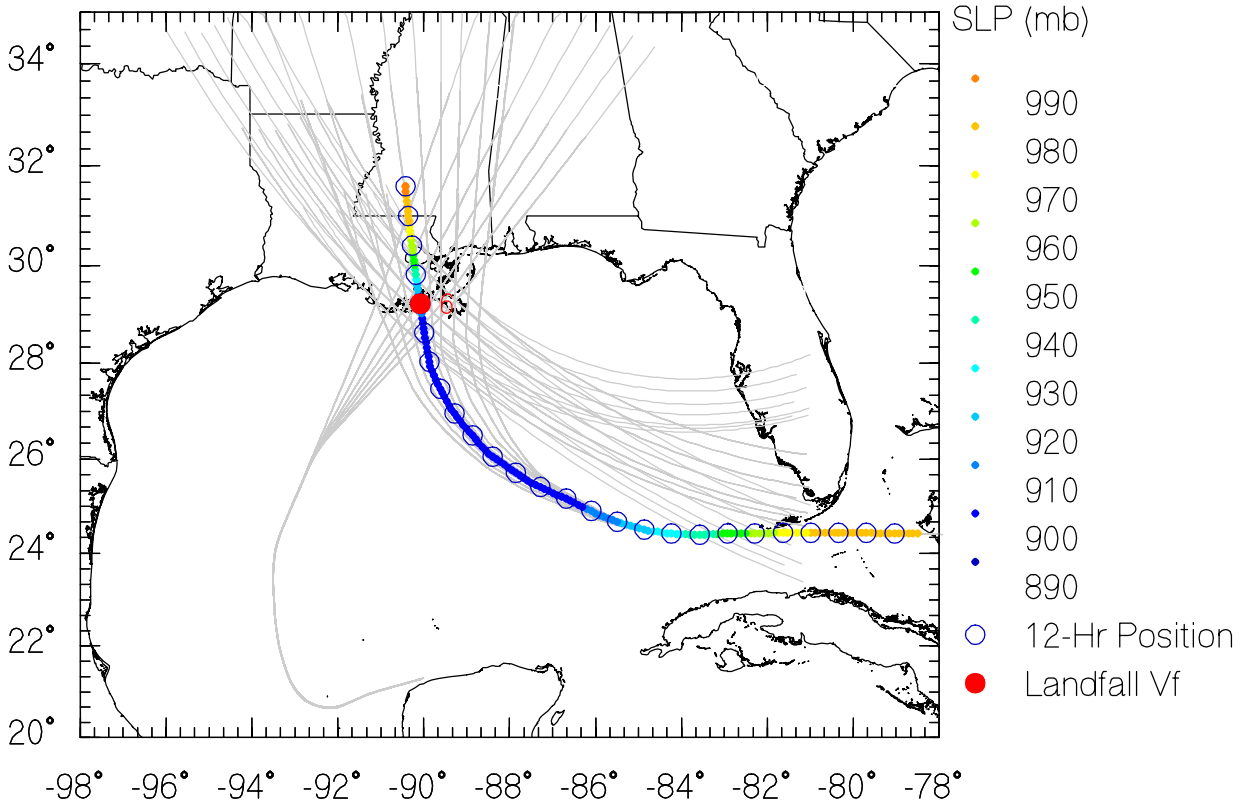

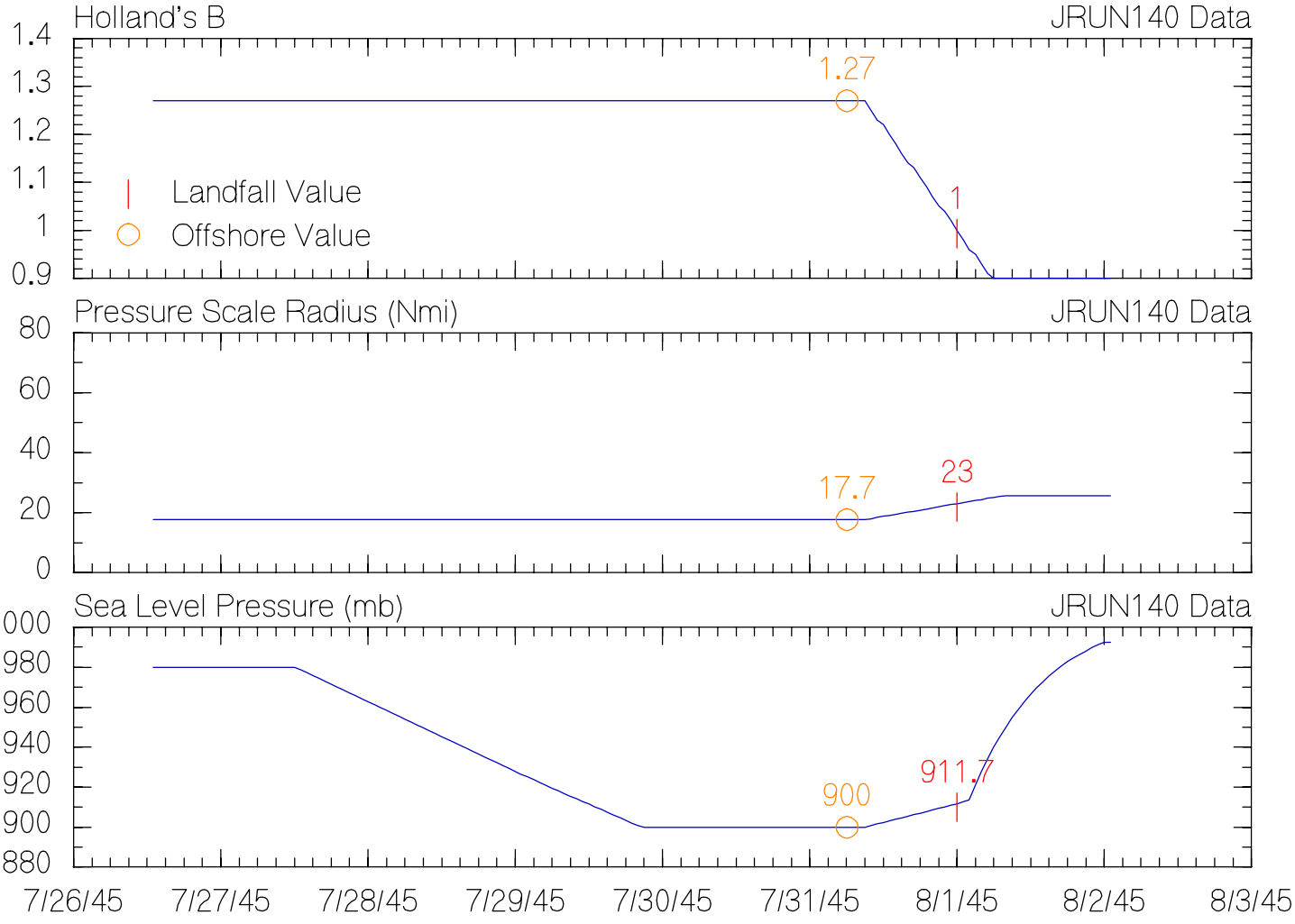

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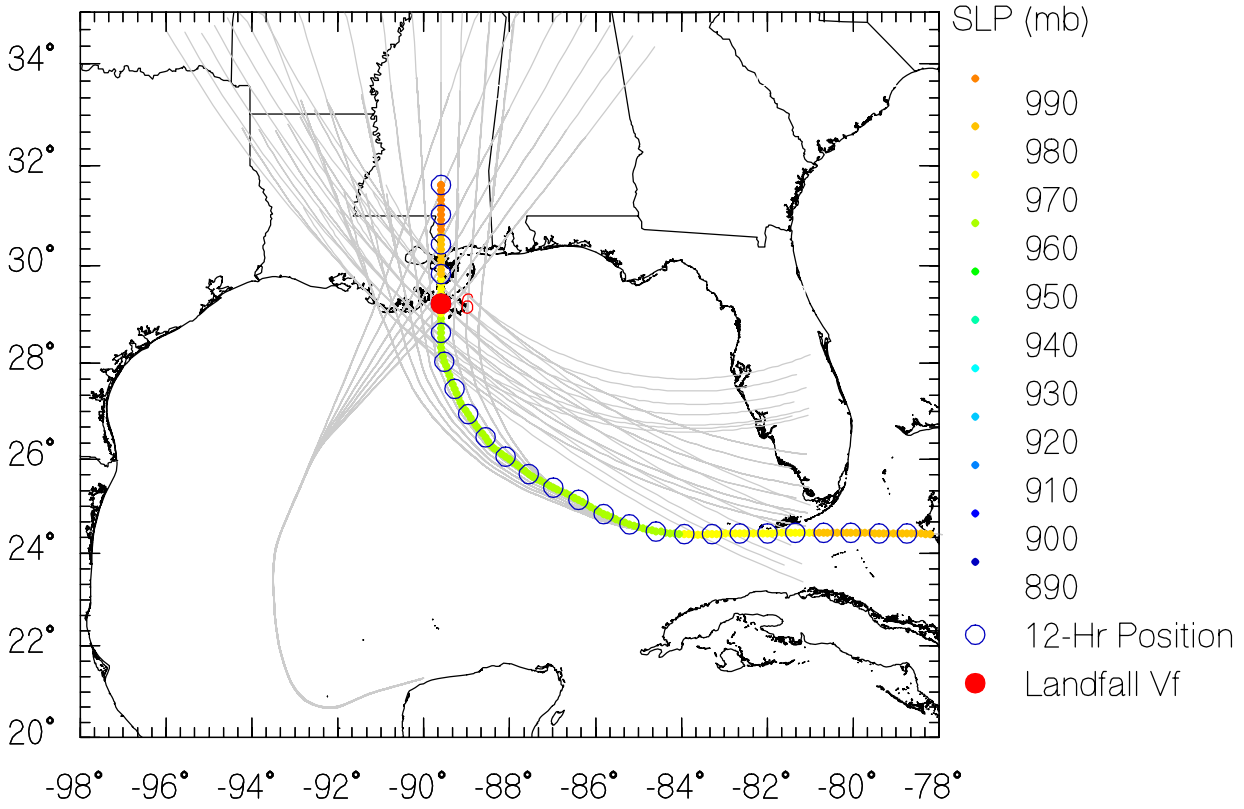

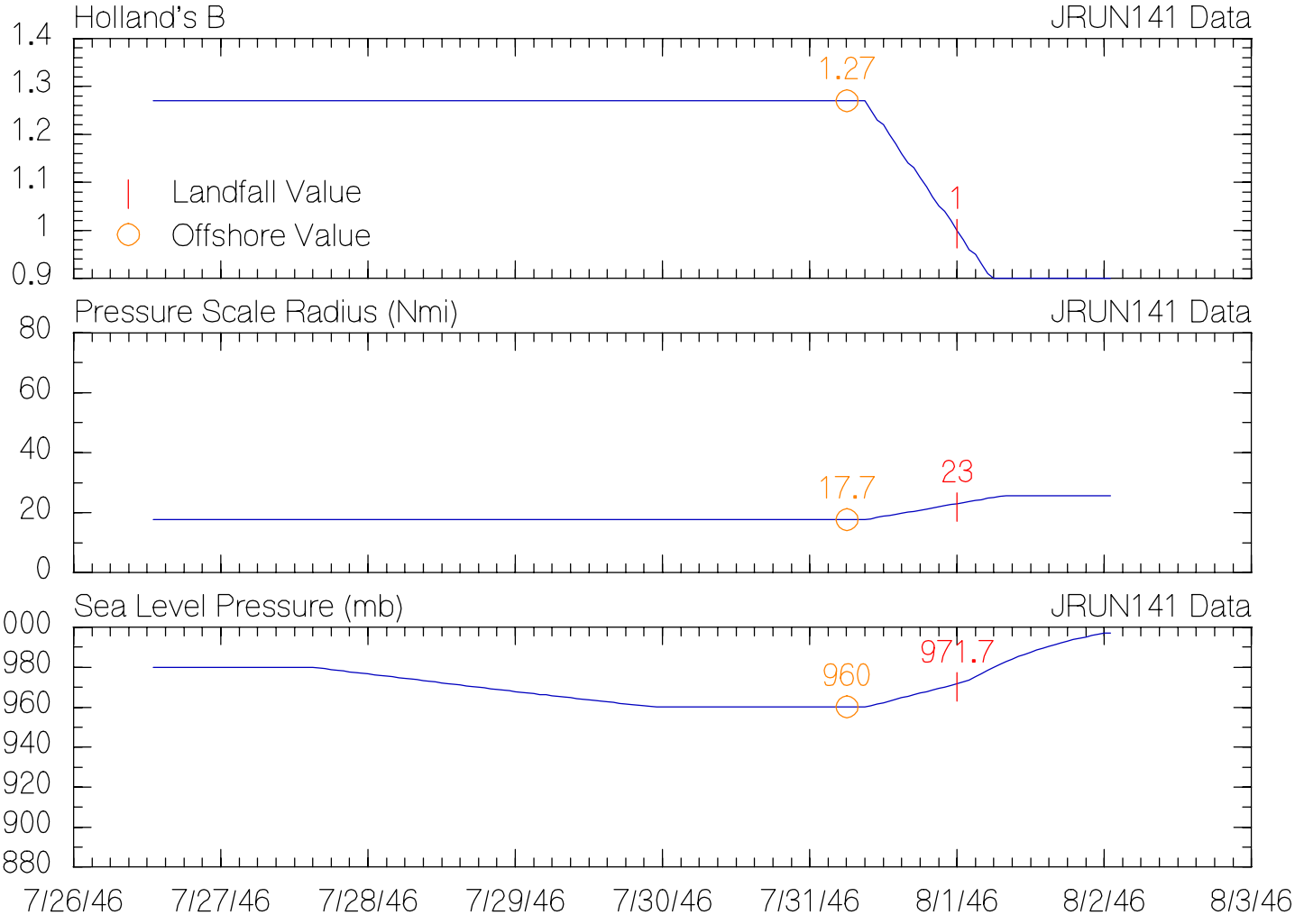

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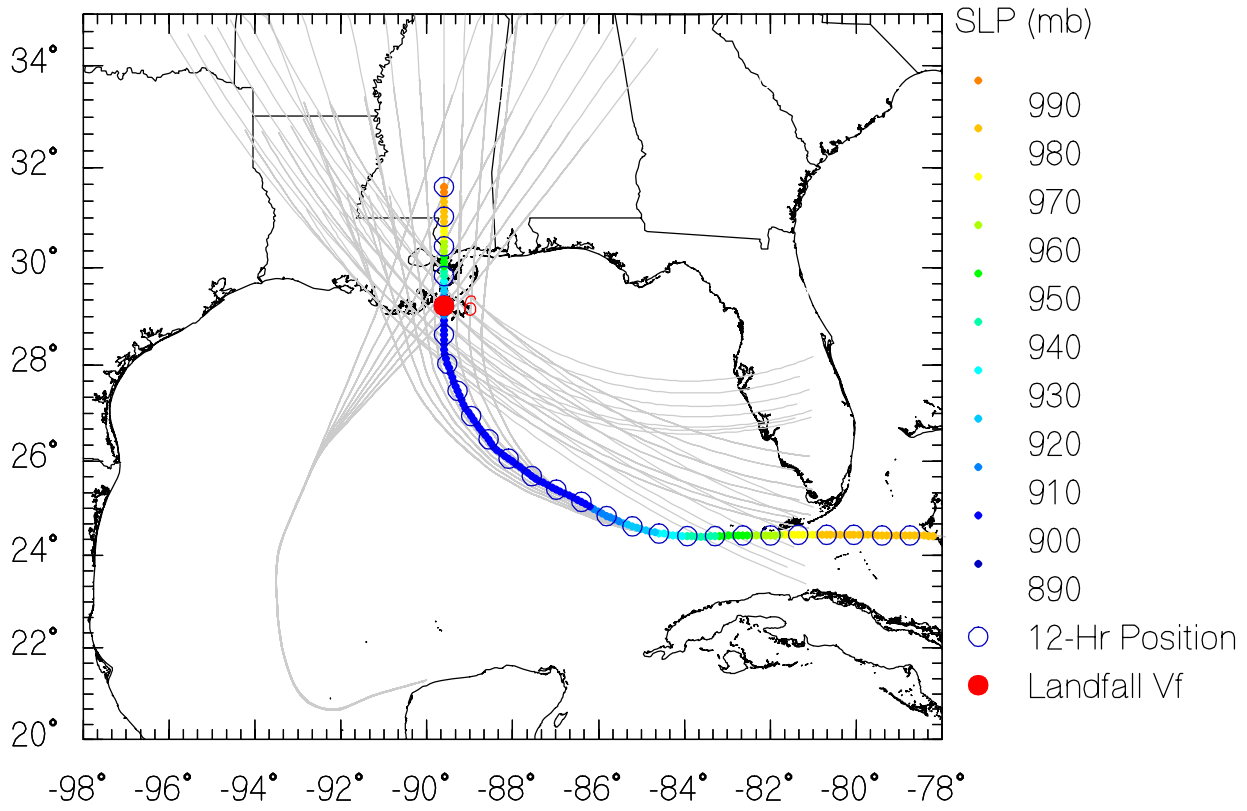

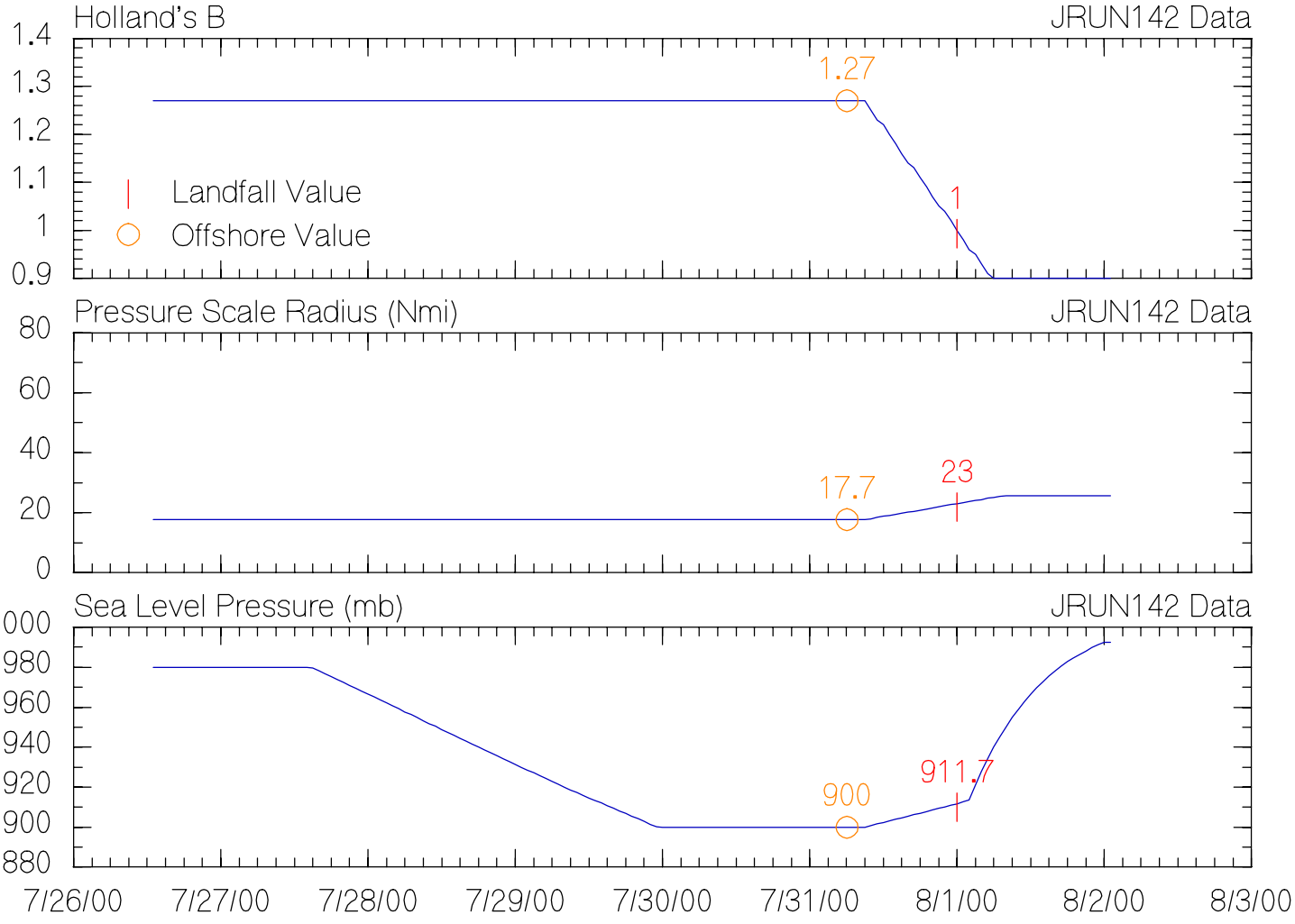

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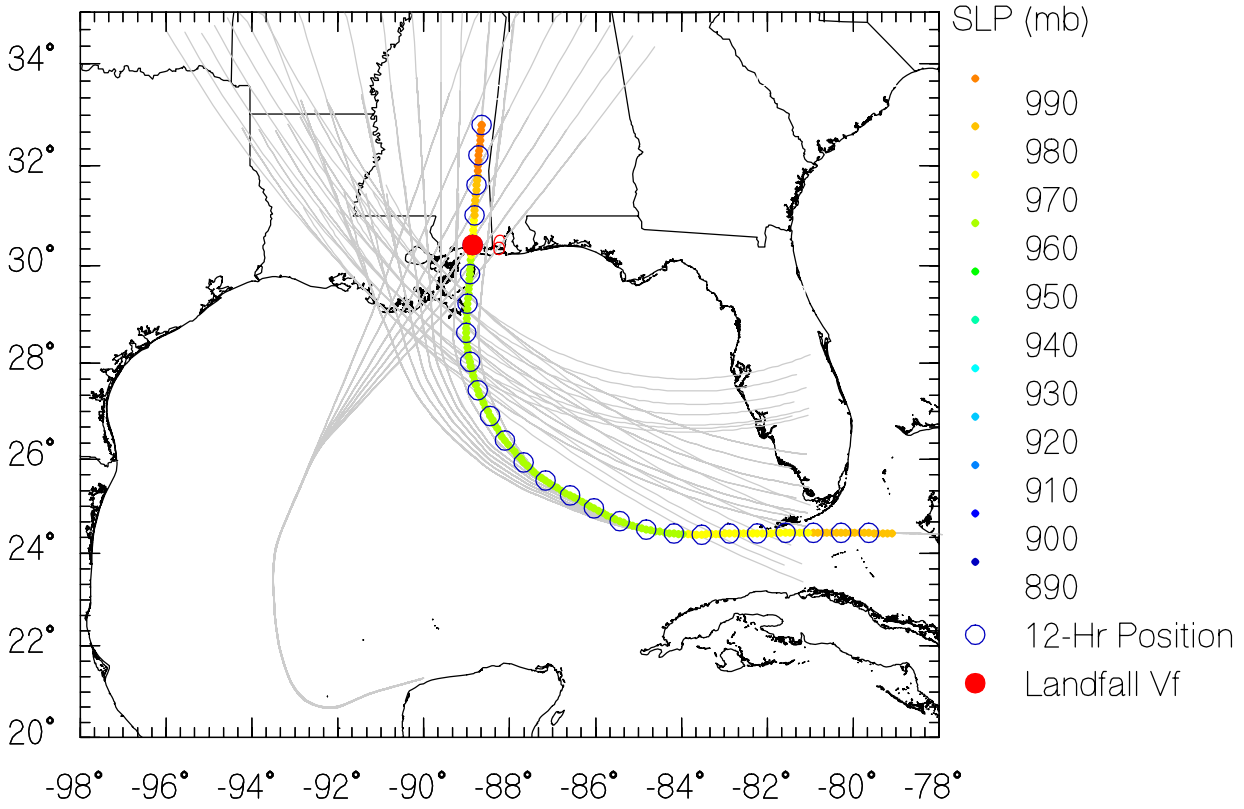

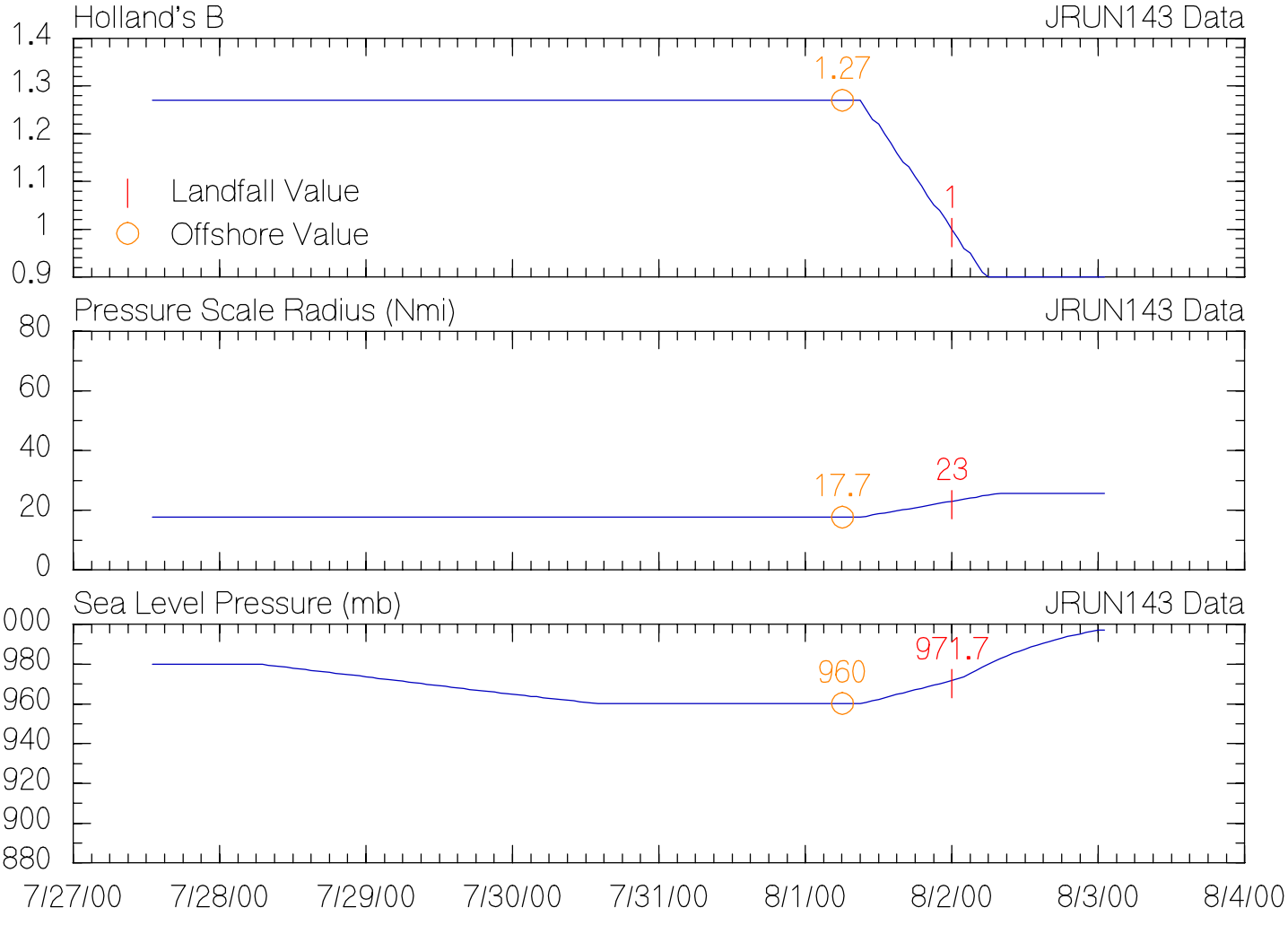

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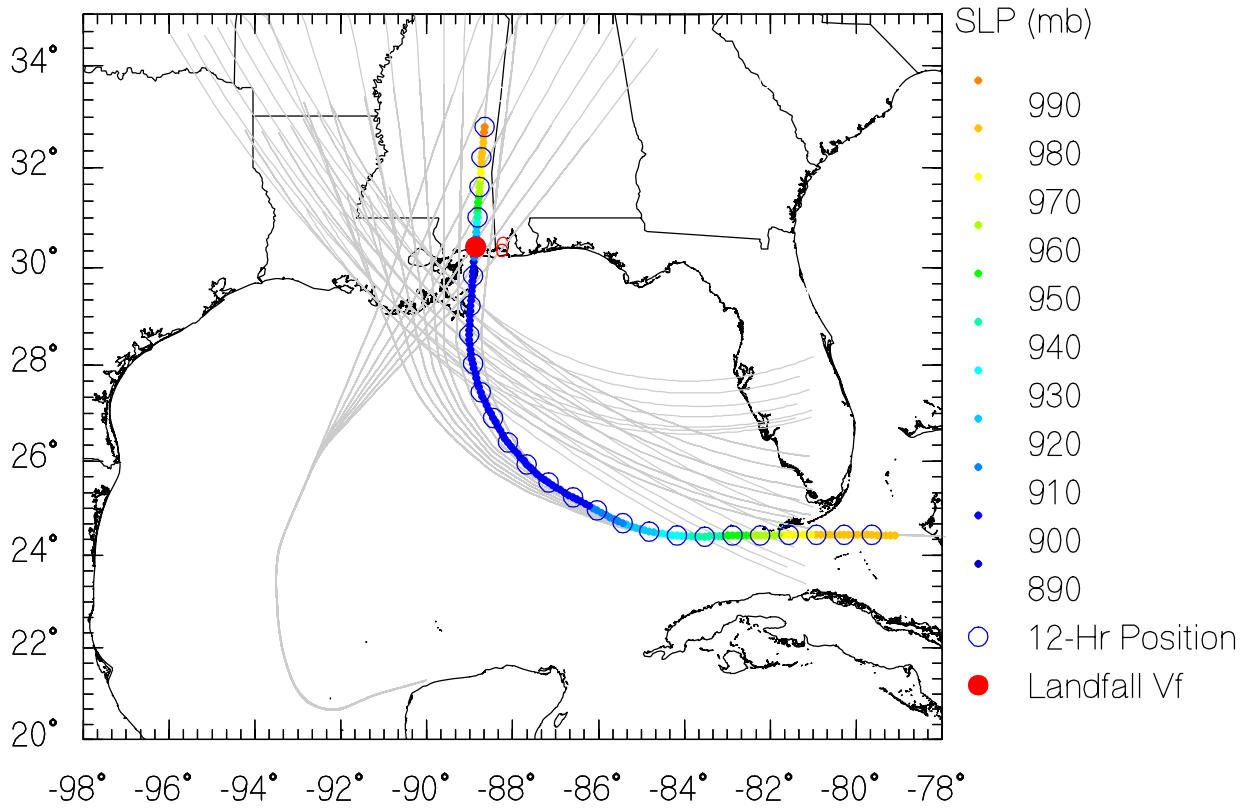

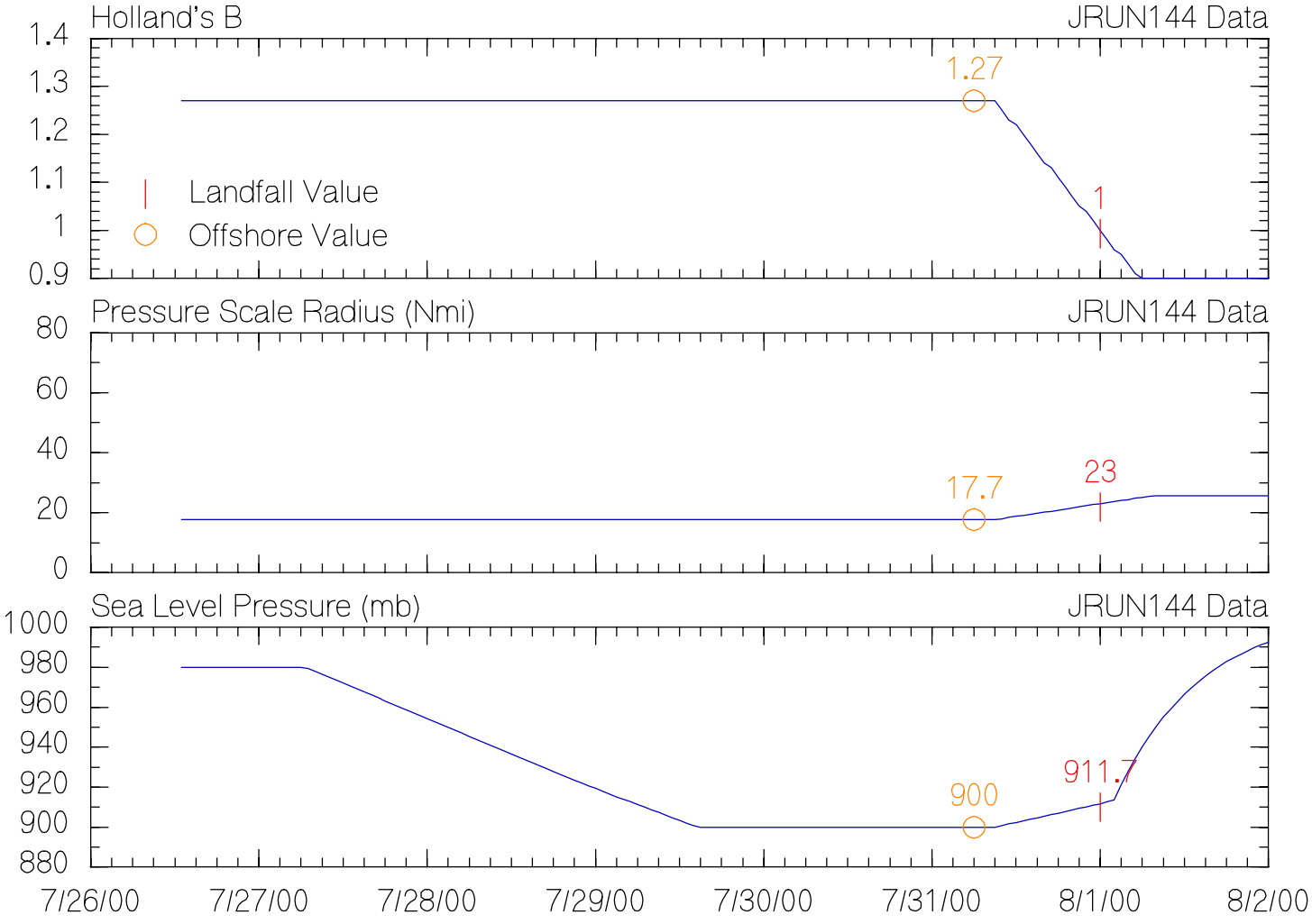

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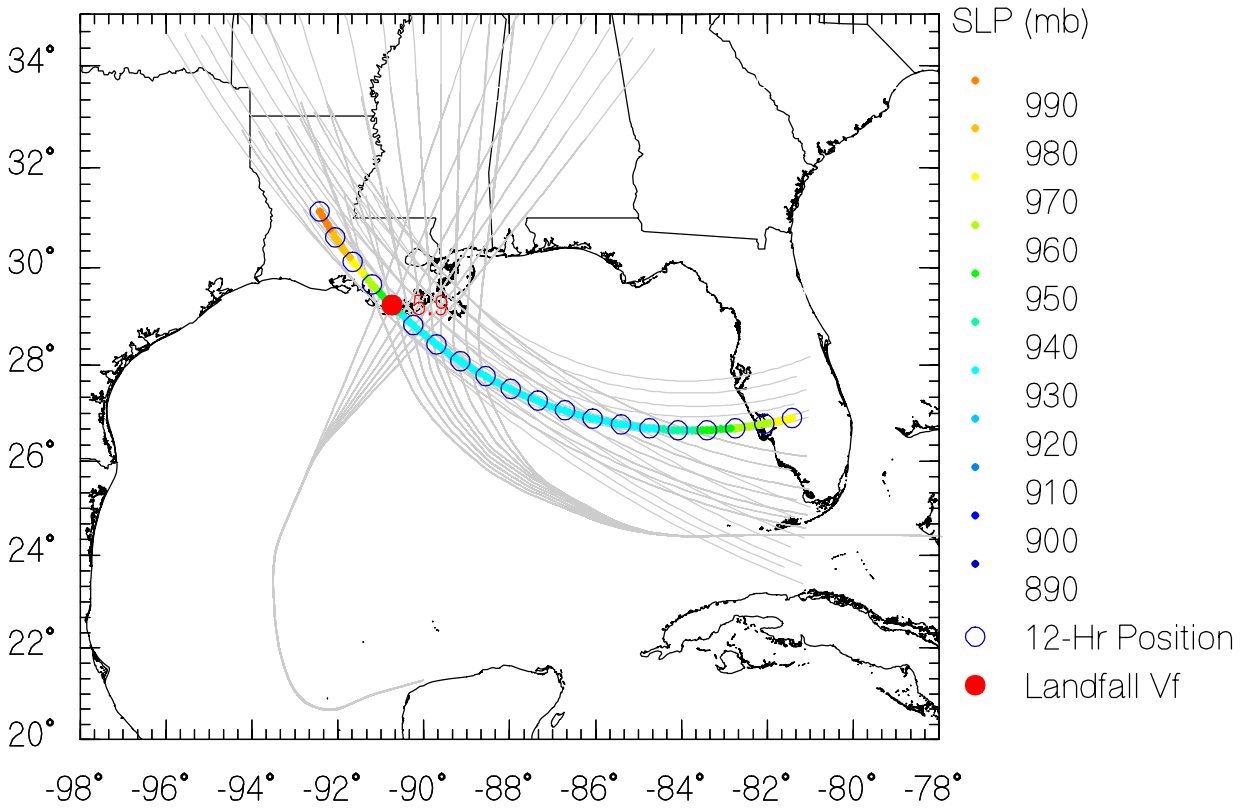

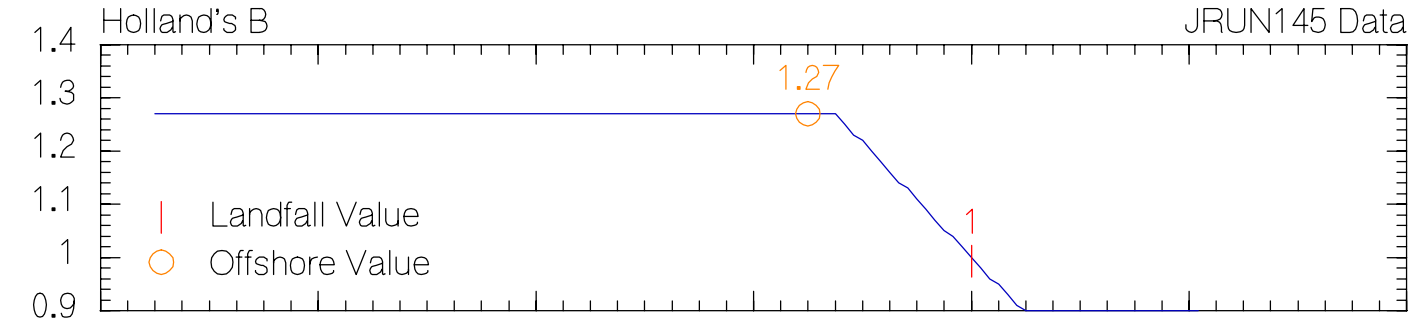

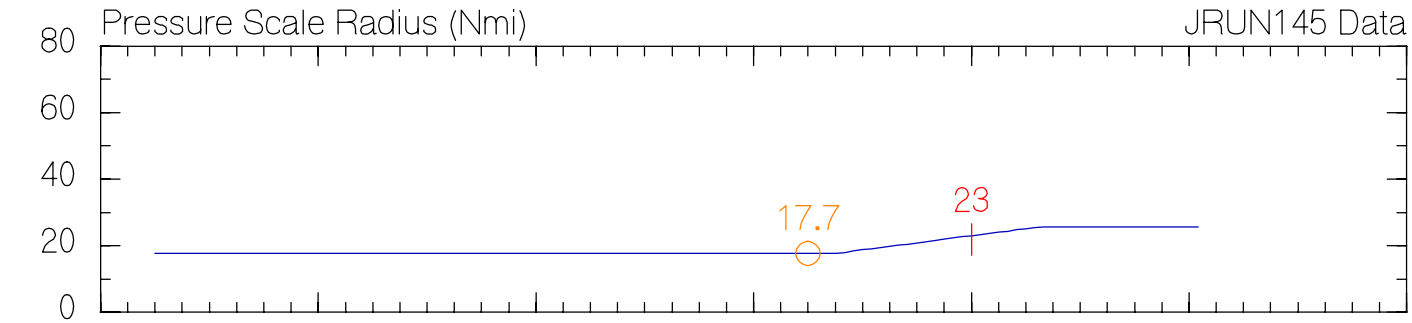

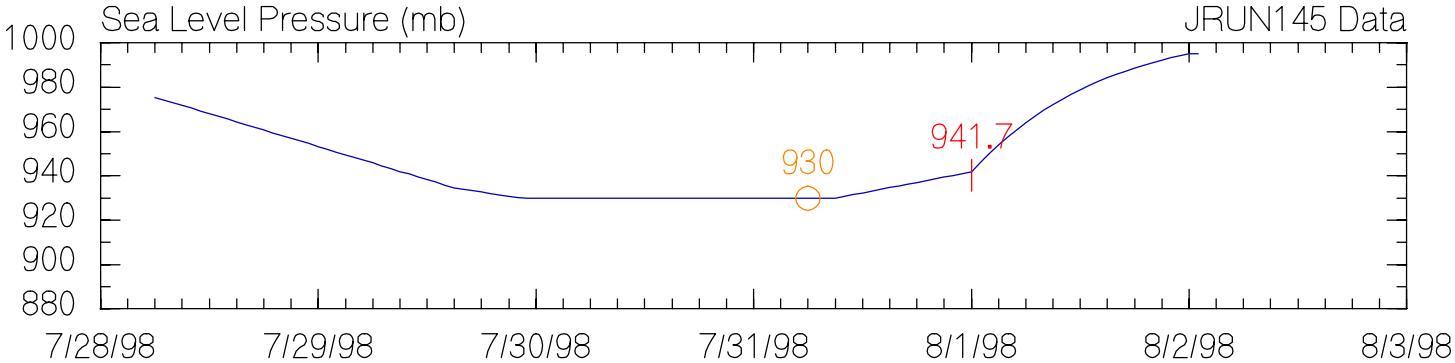

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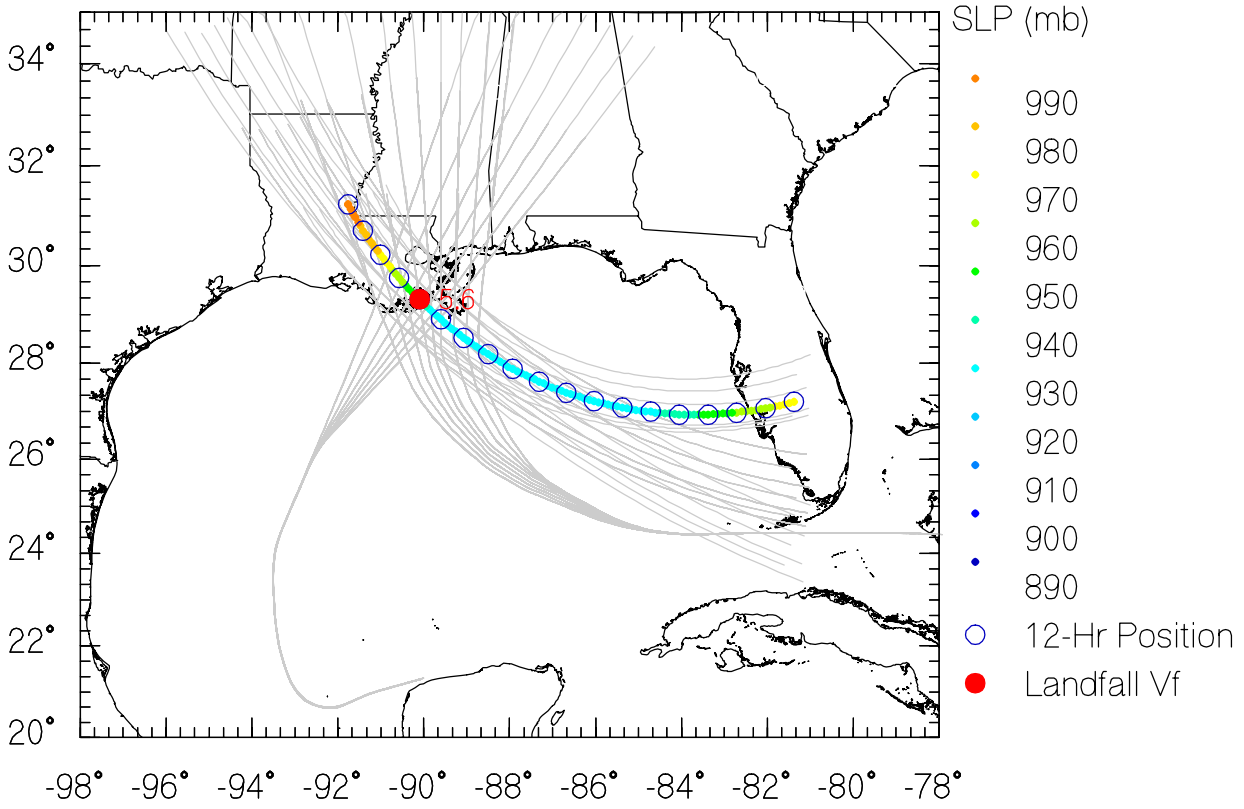

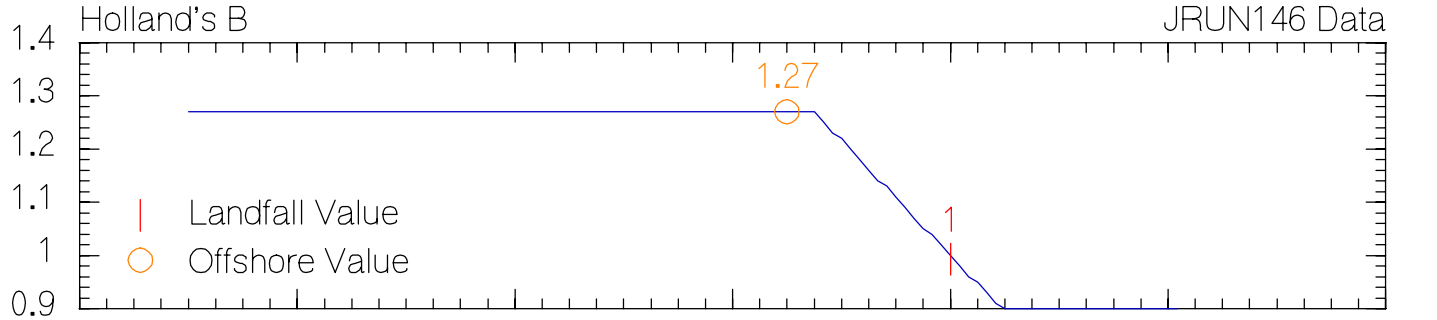

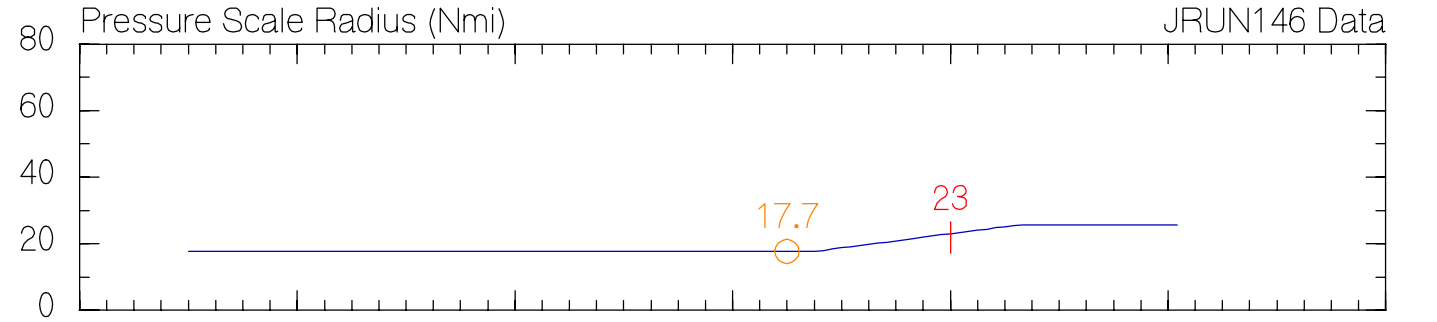

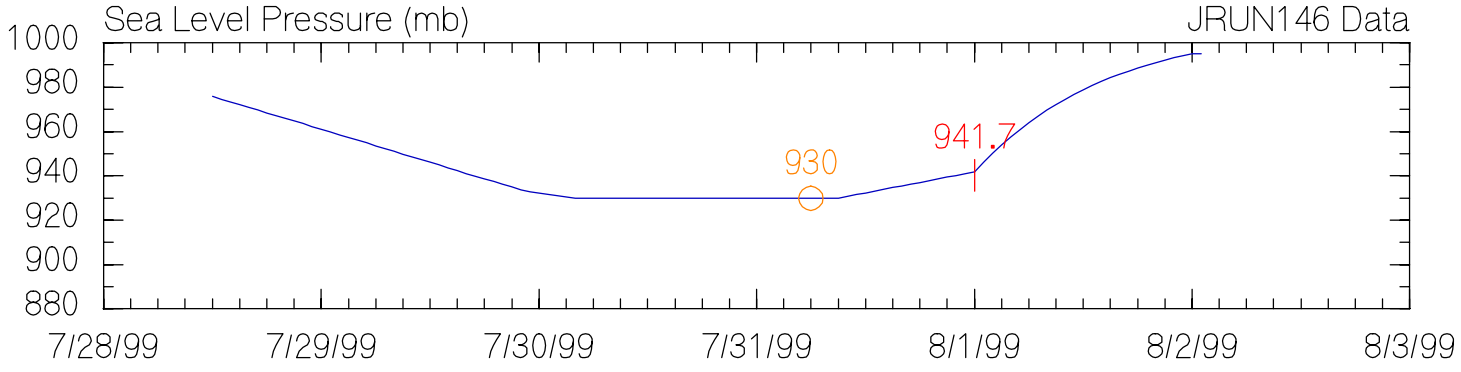

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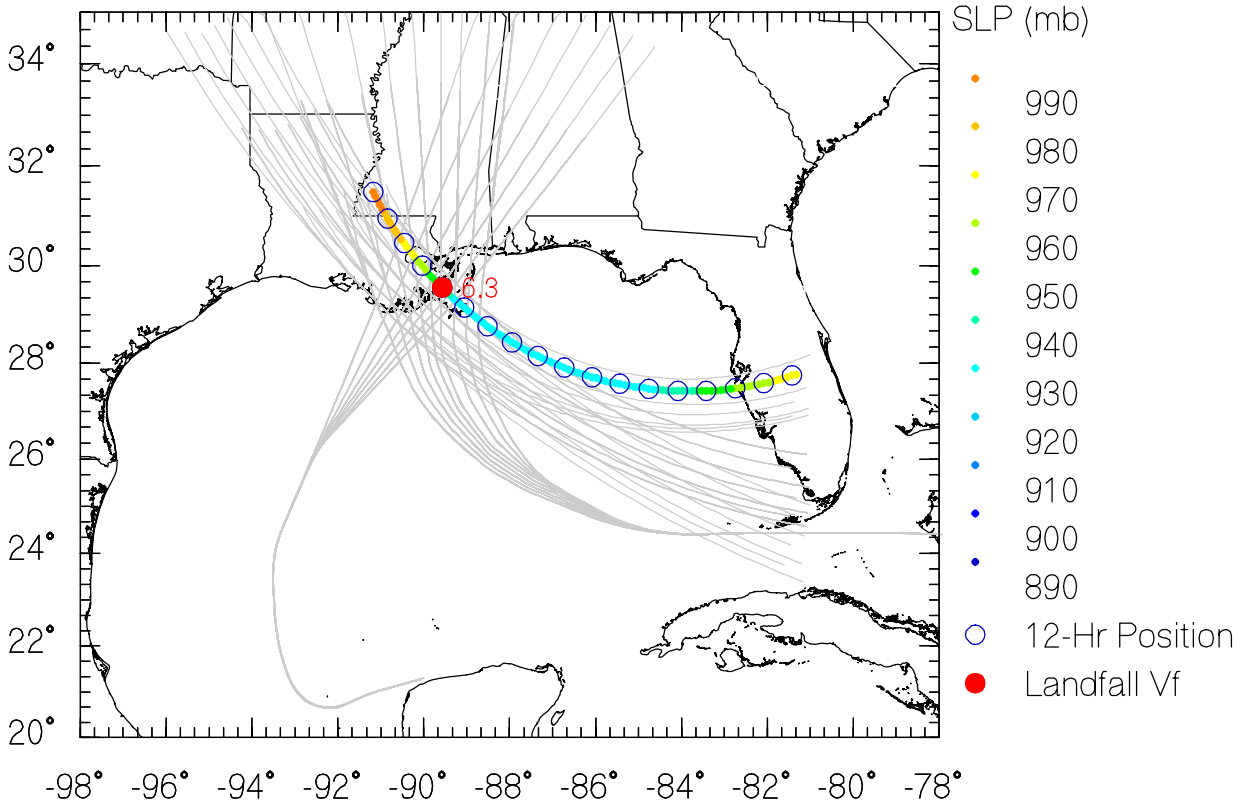

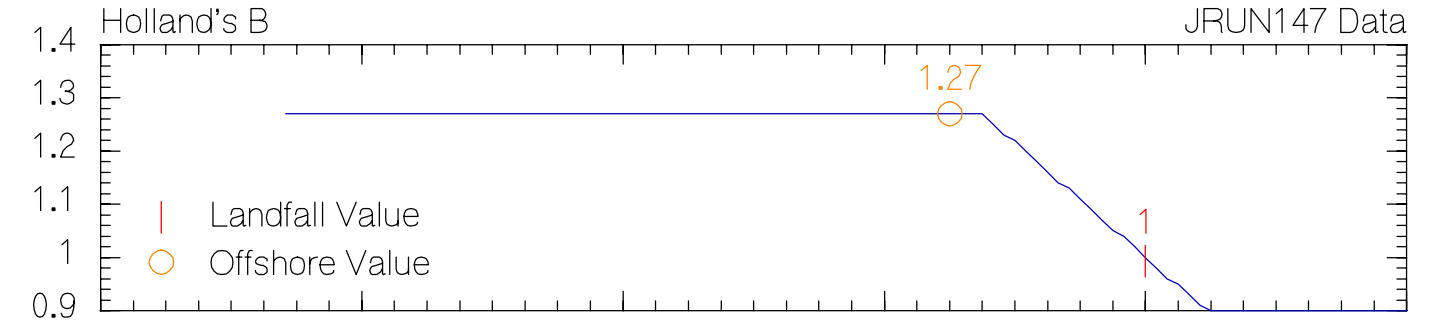

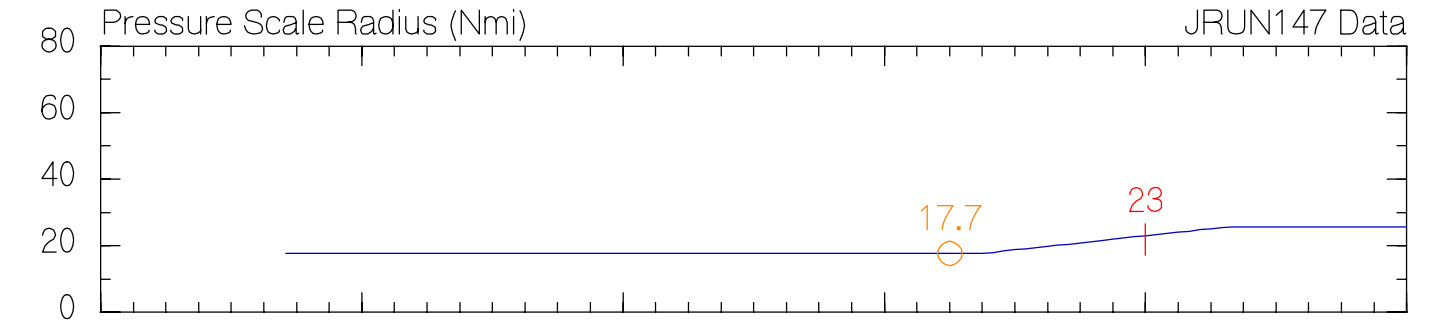

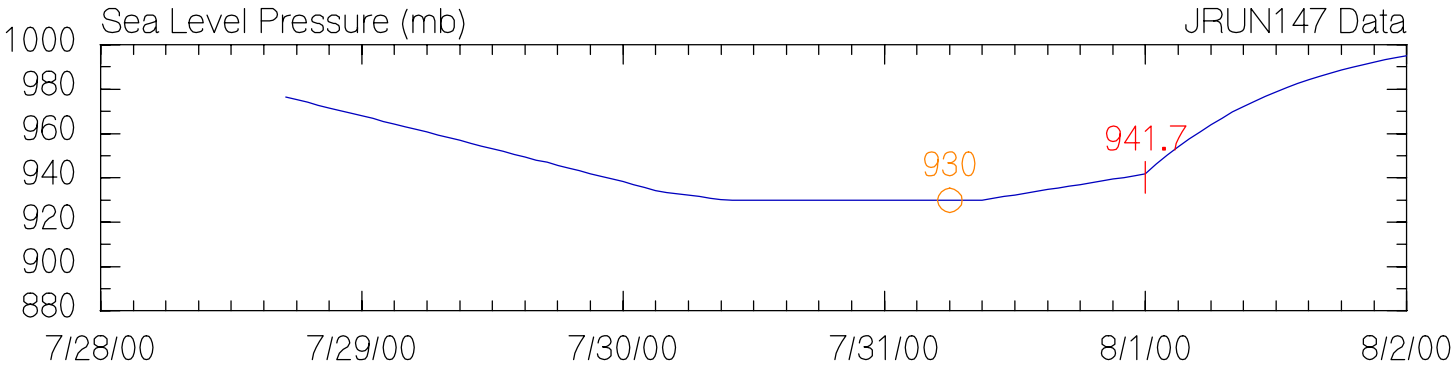

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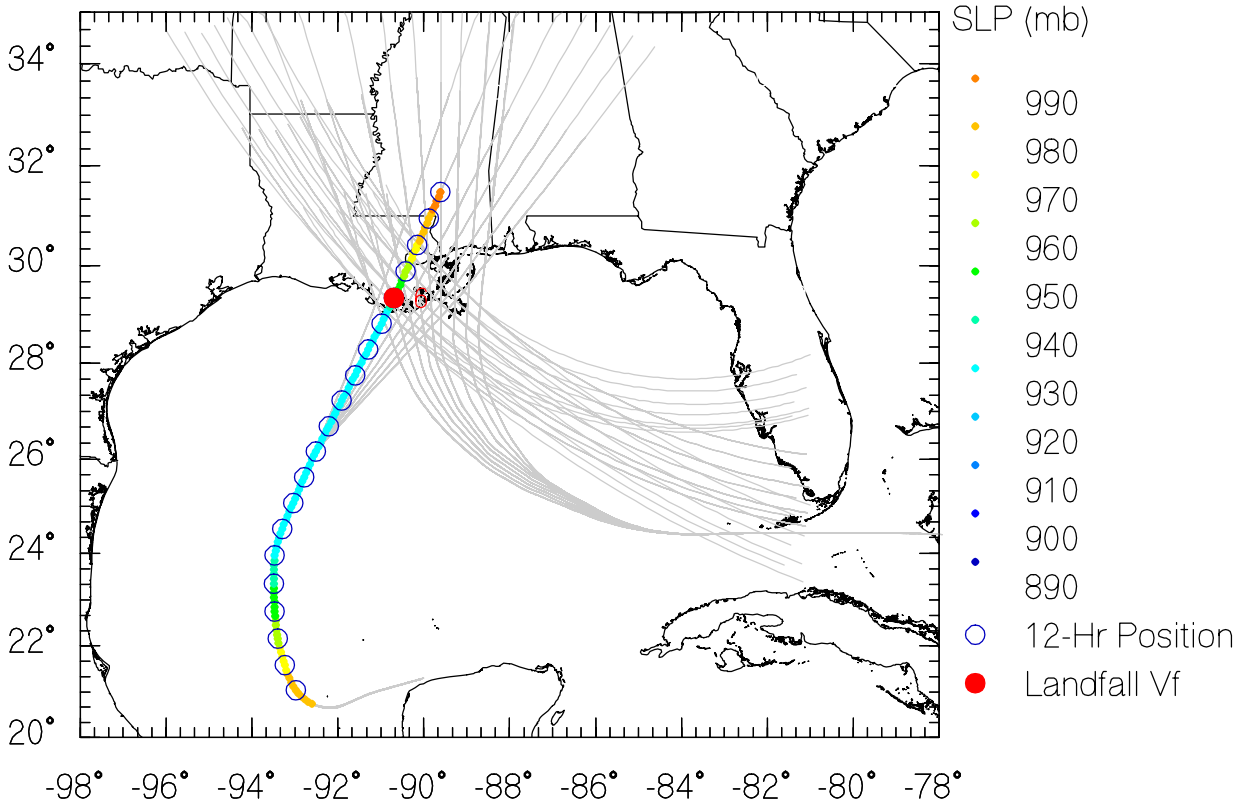

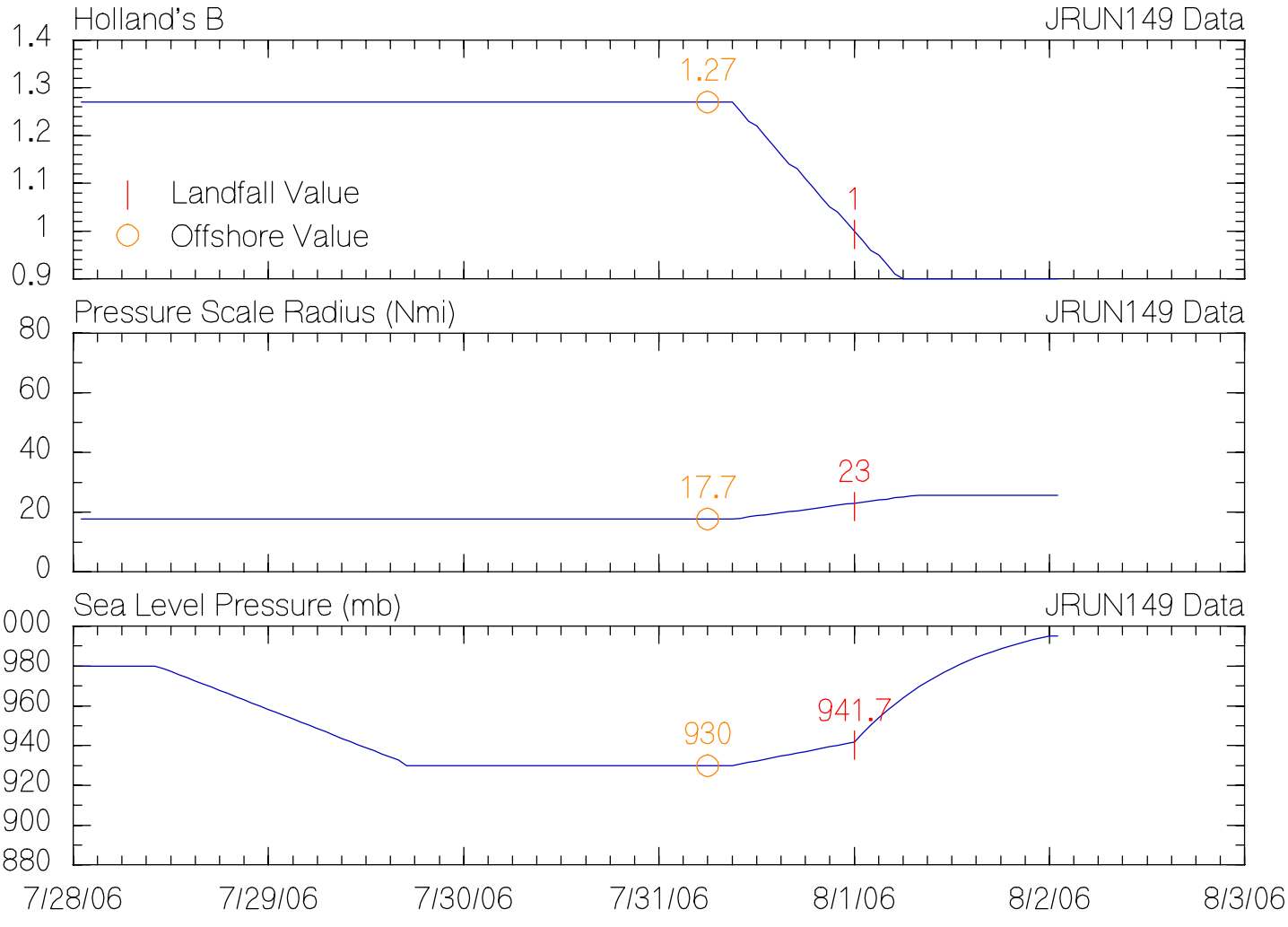

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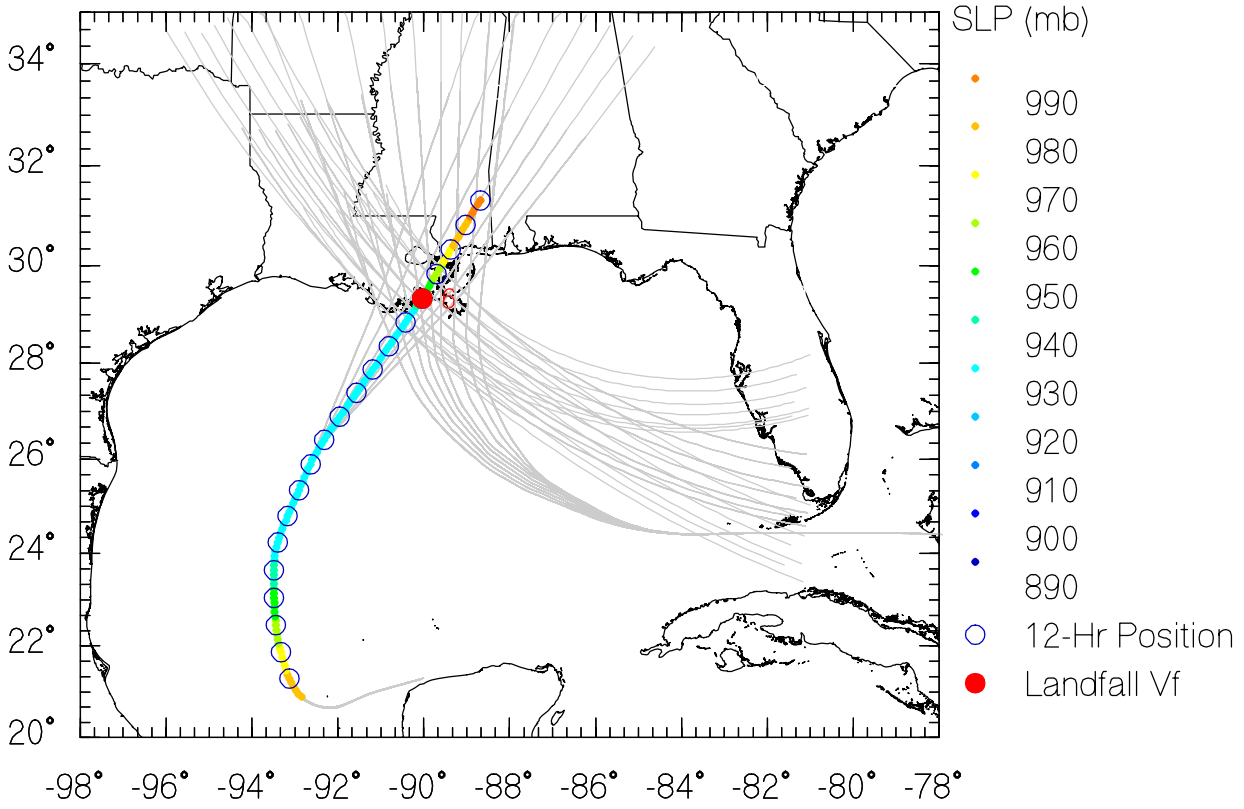
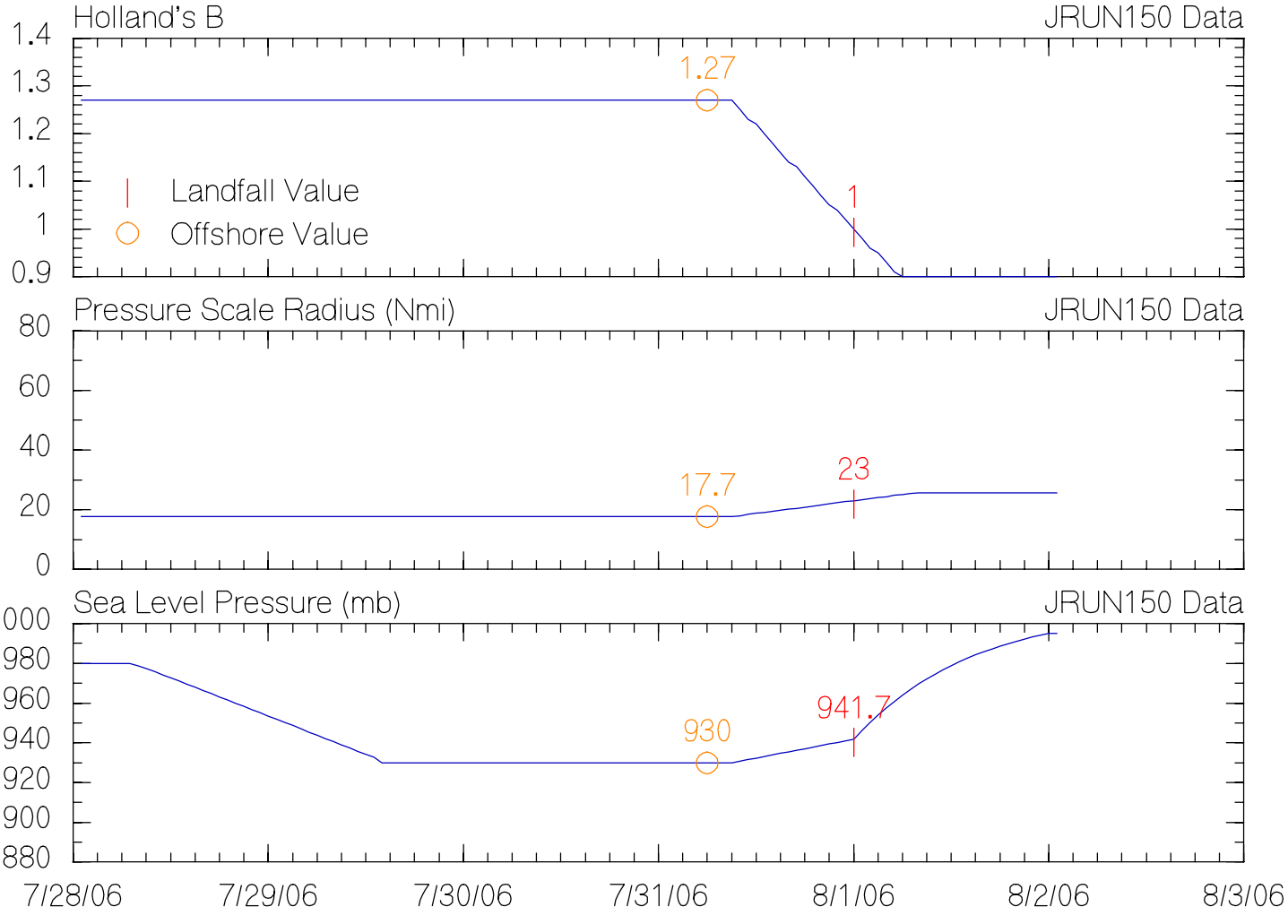
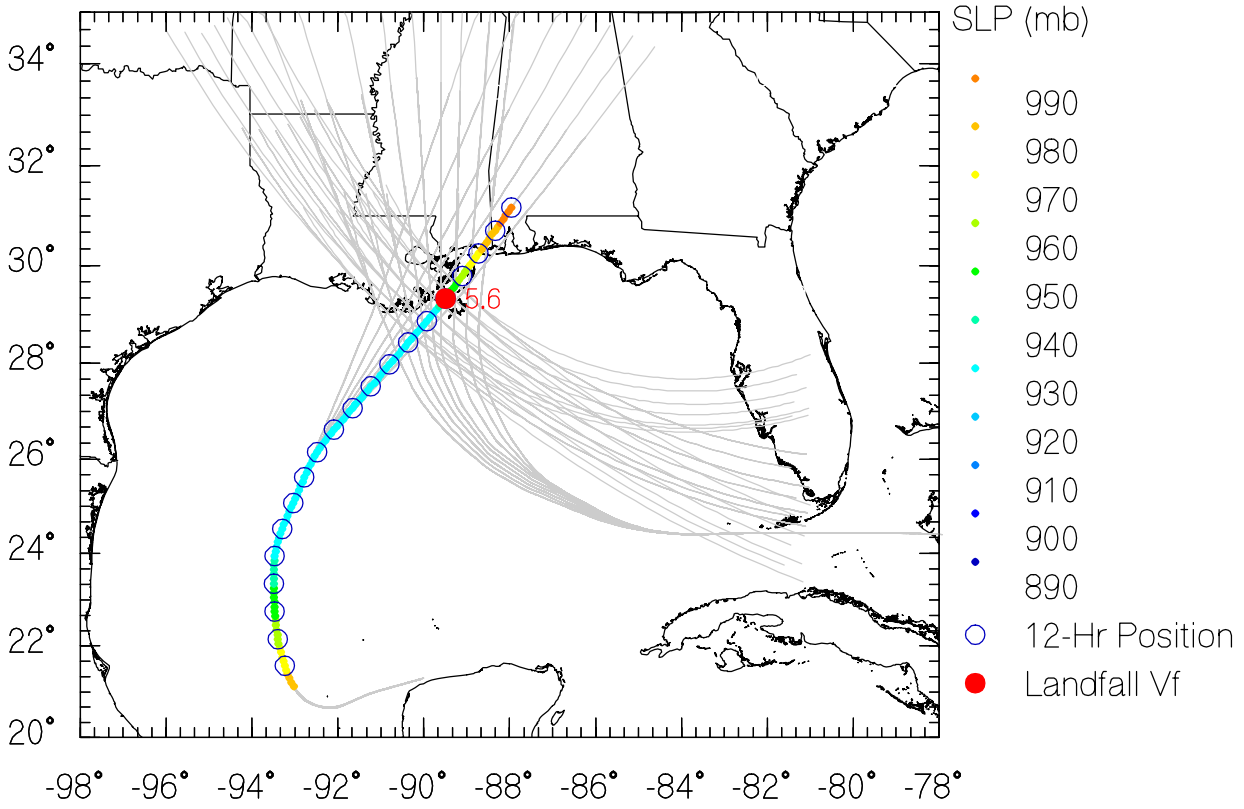
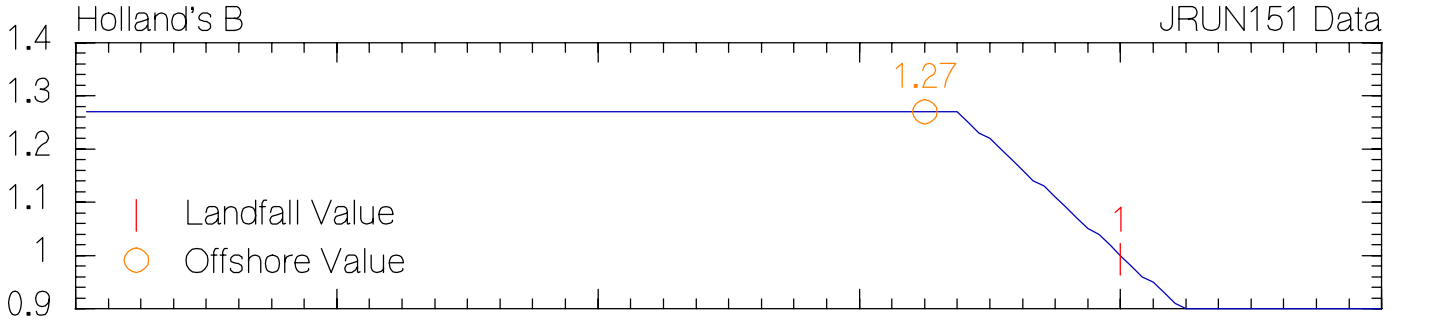
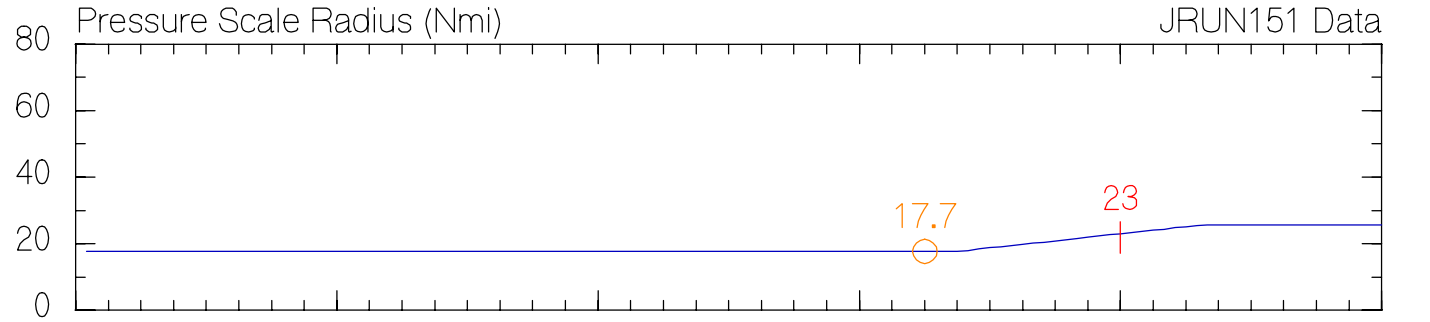


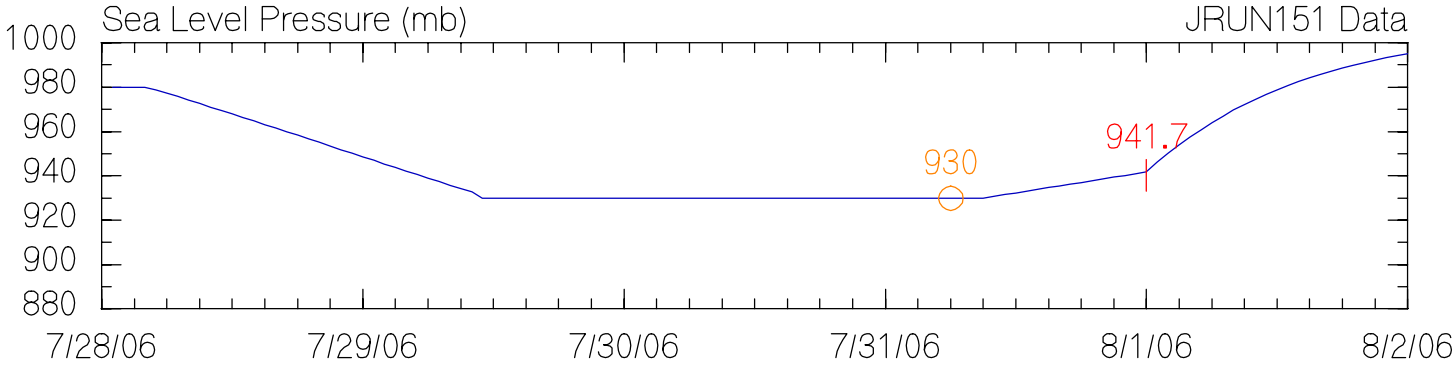


JRUN151 Data

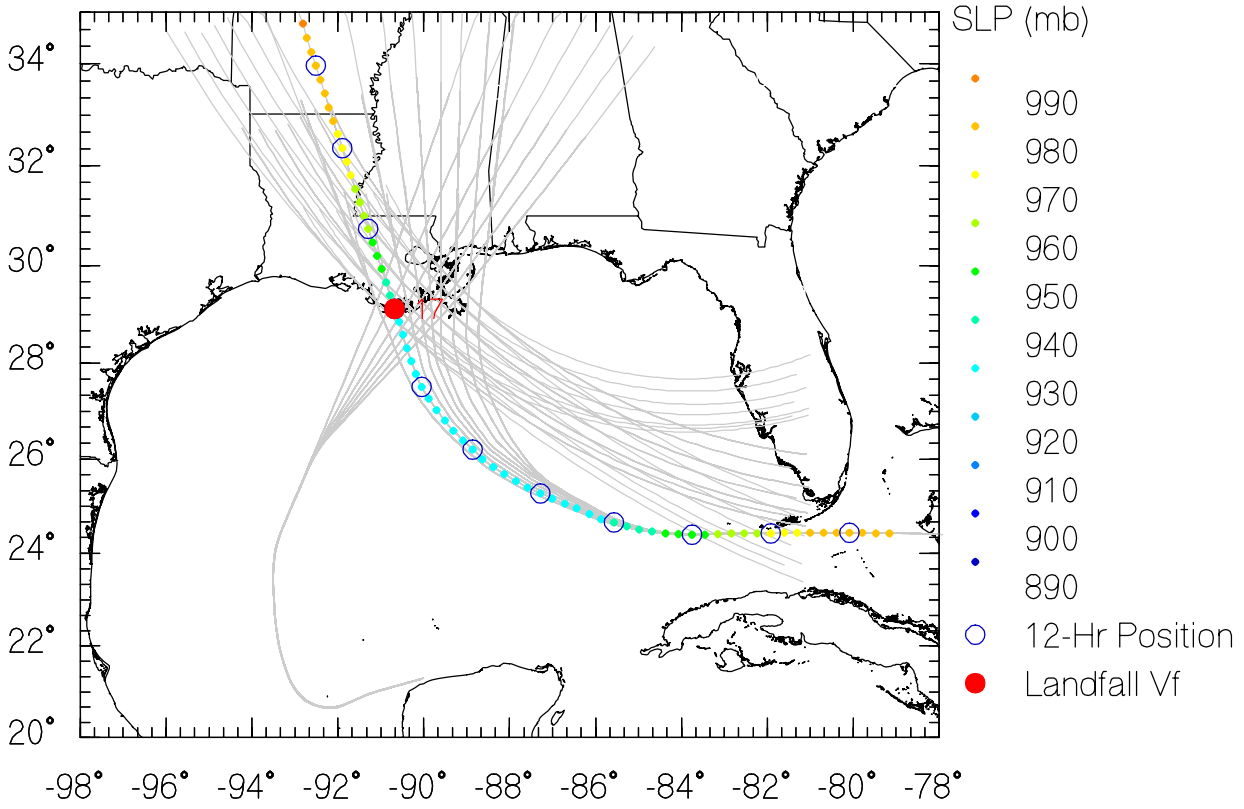


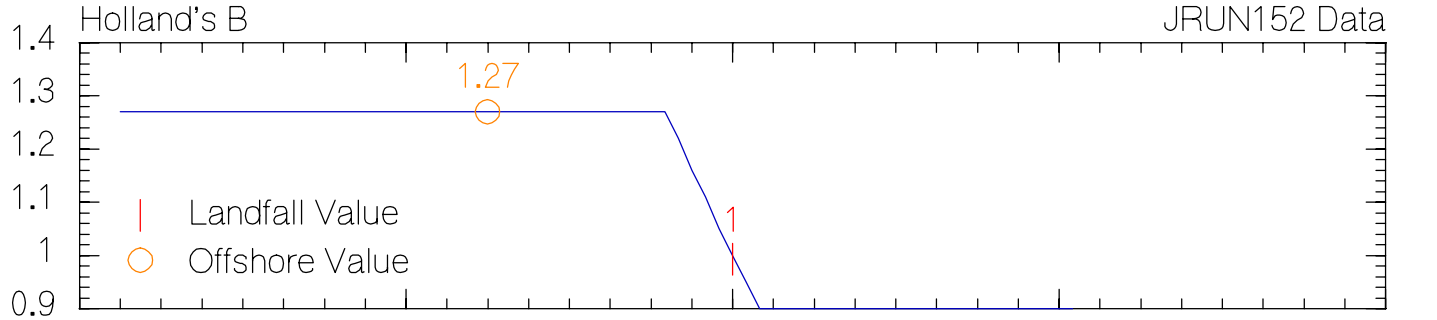


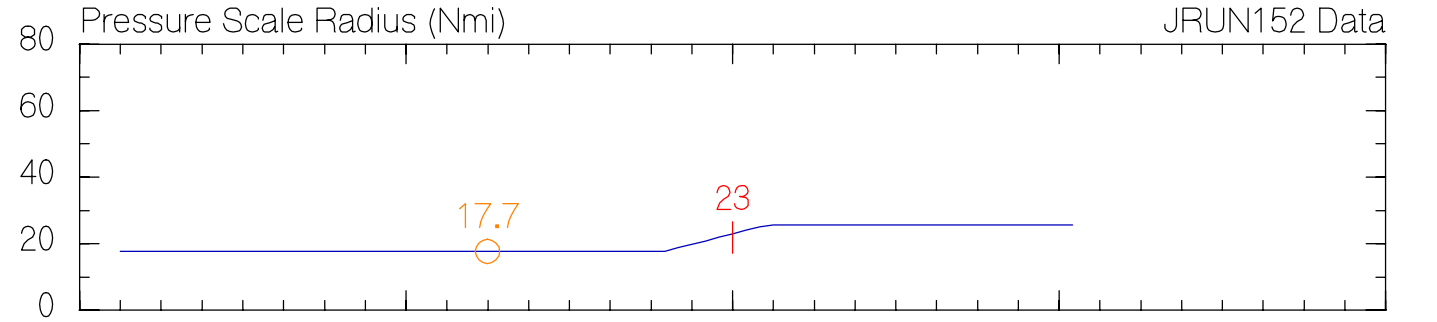


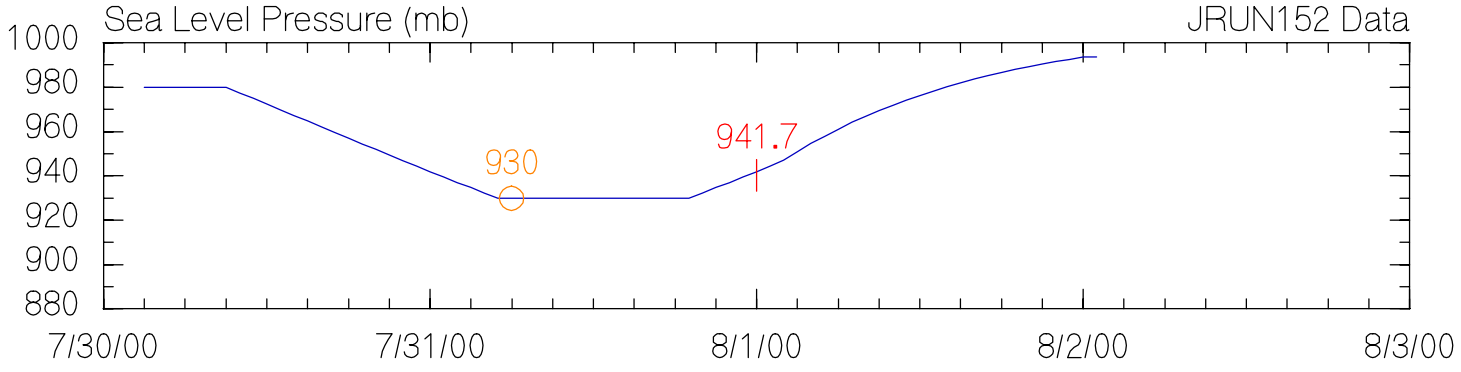


JRUN152 Data

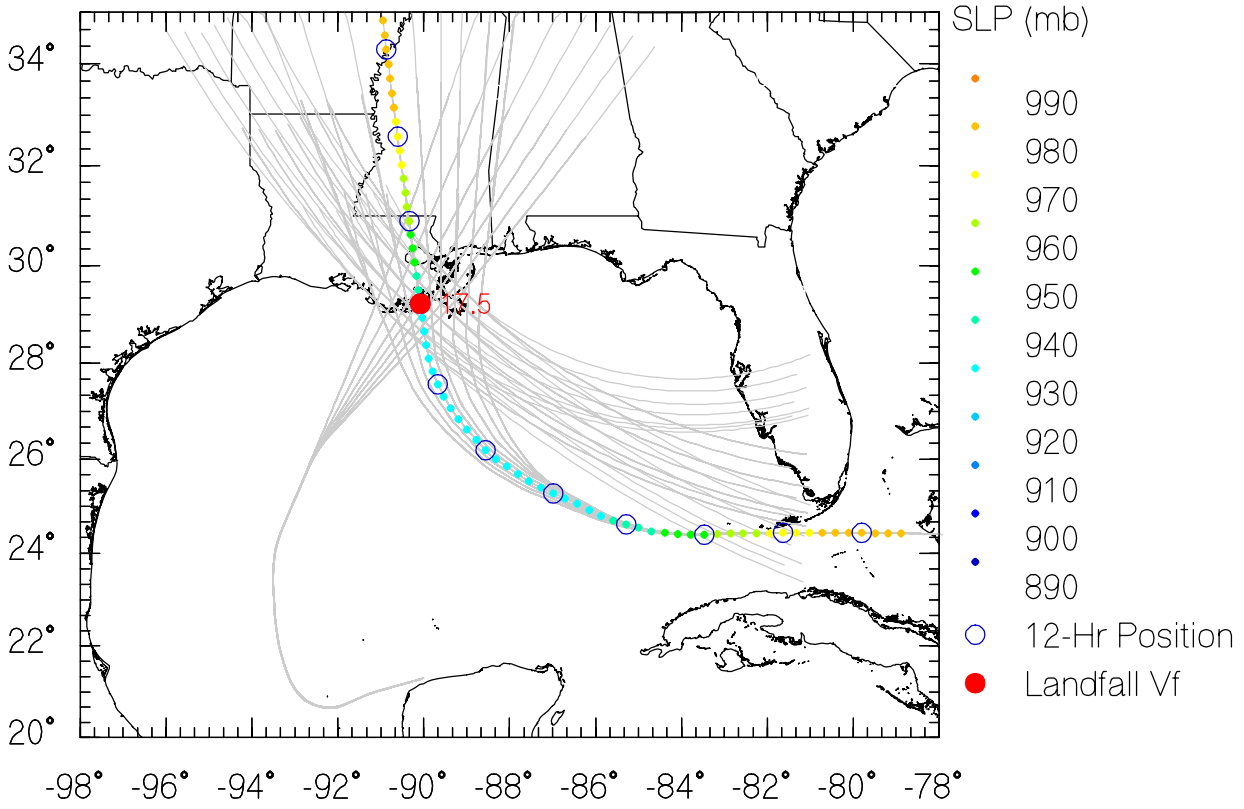


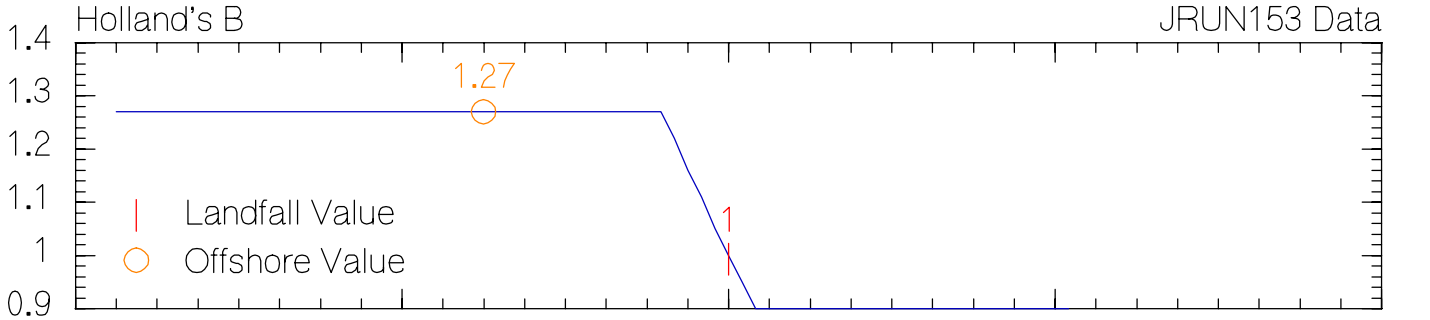


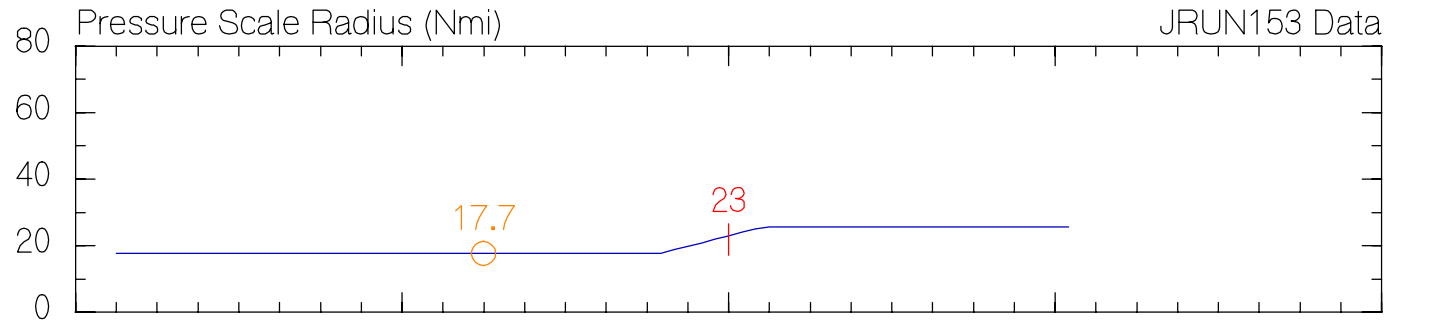


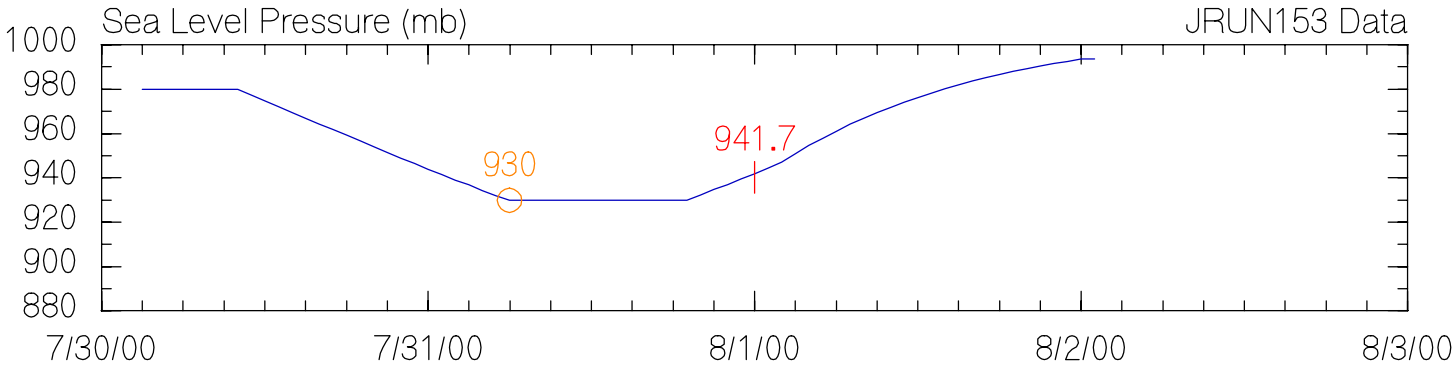


JRUN153 Data









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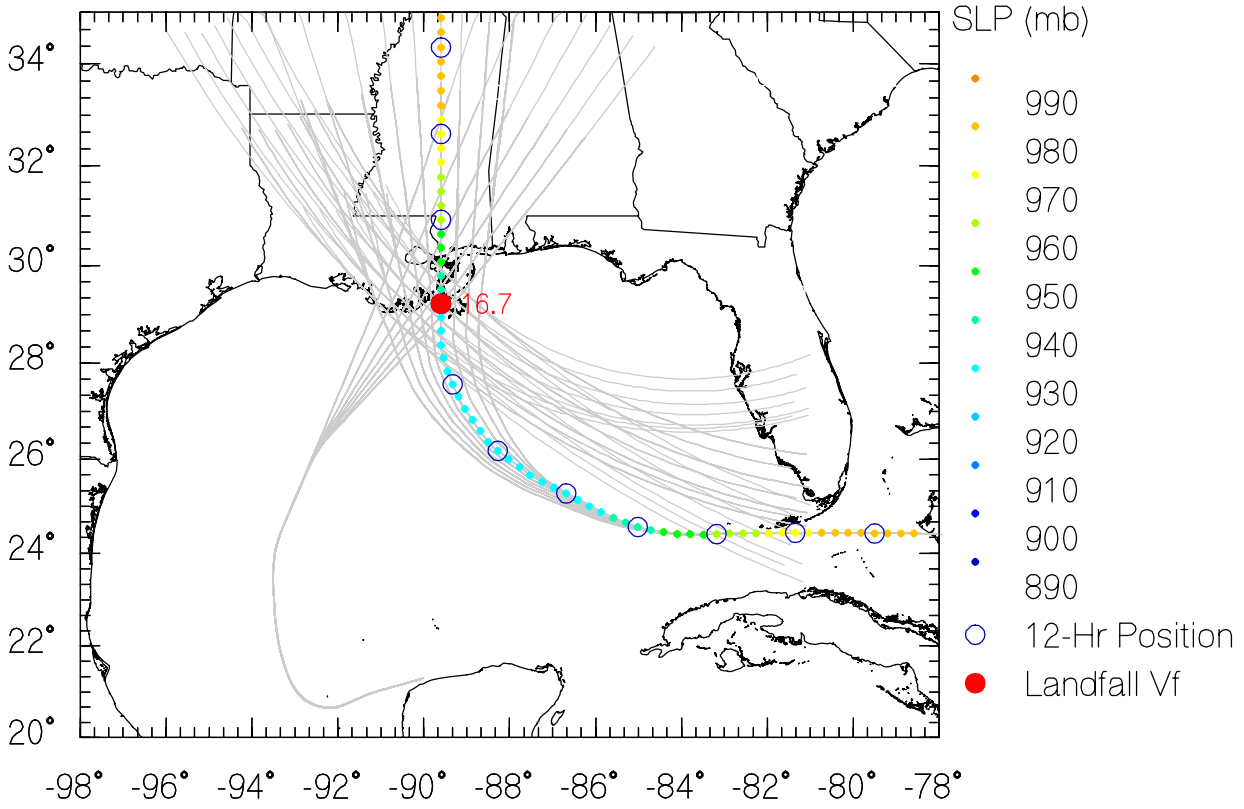
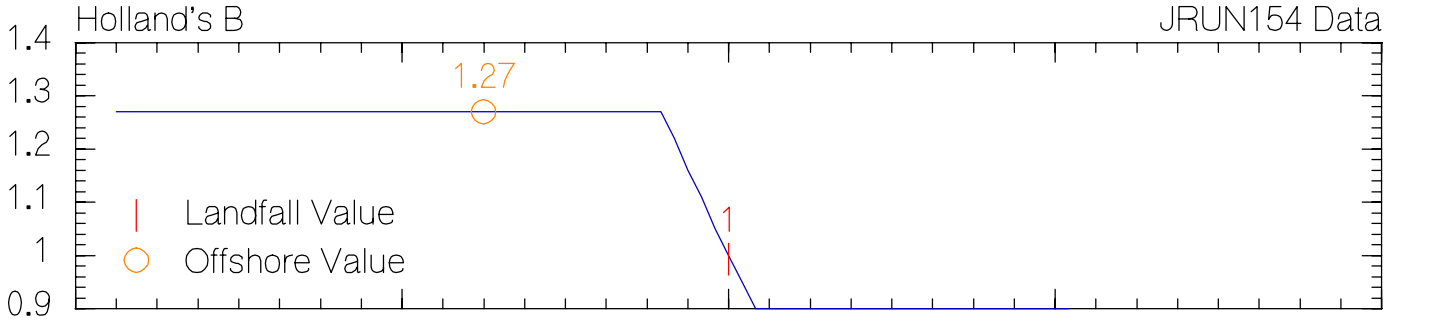
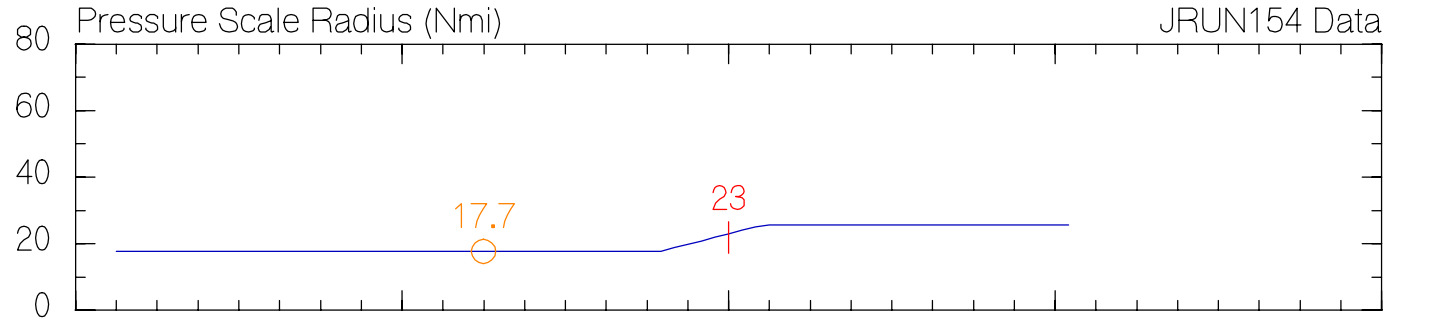
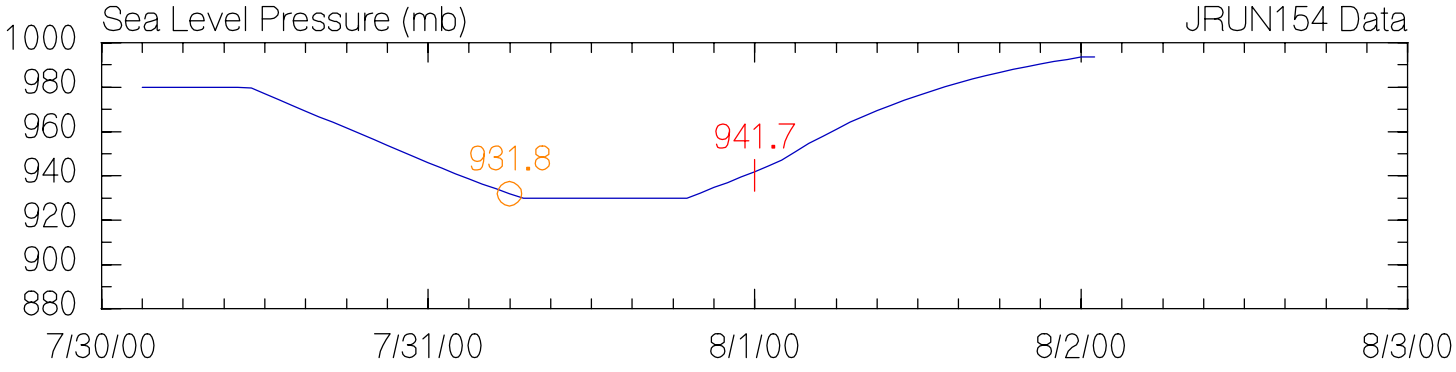
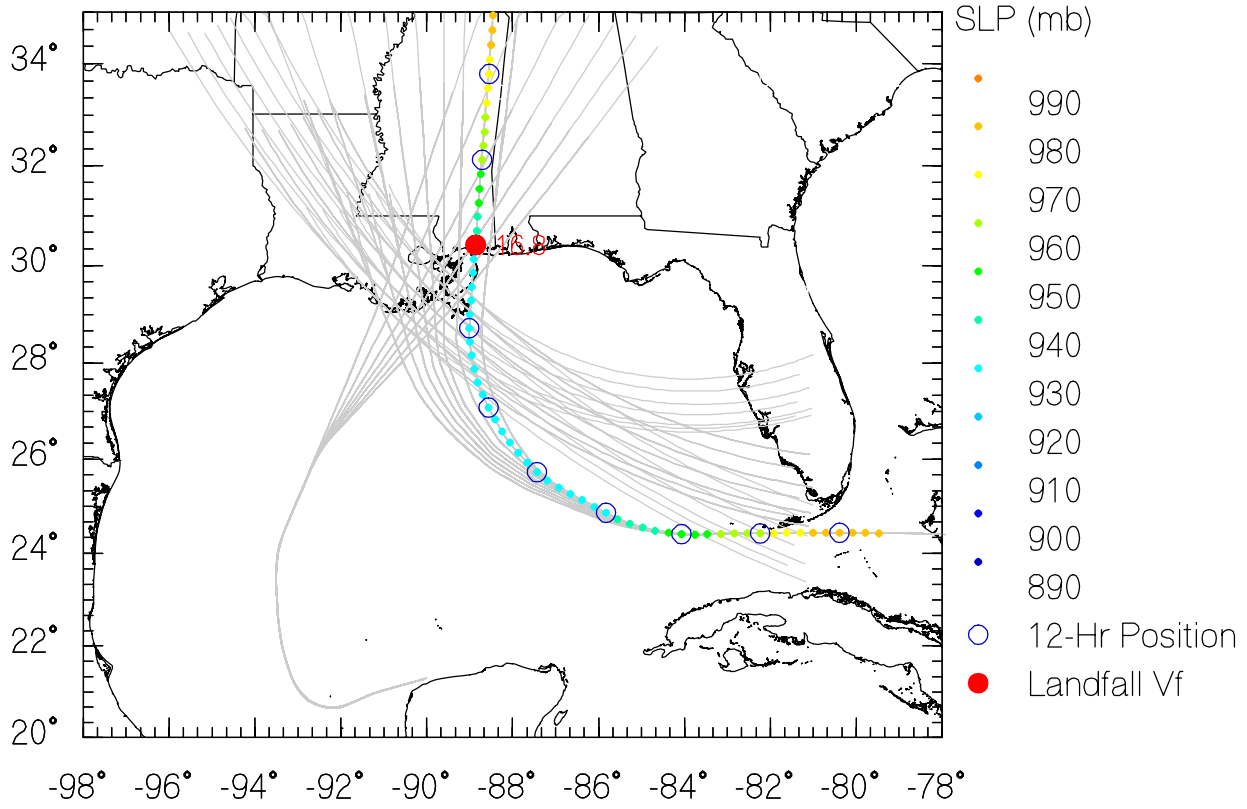


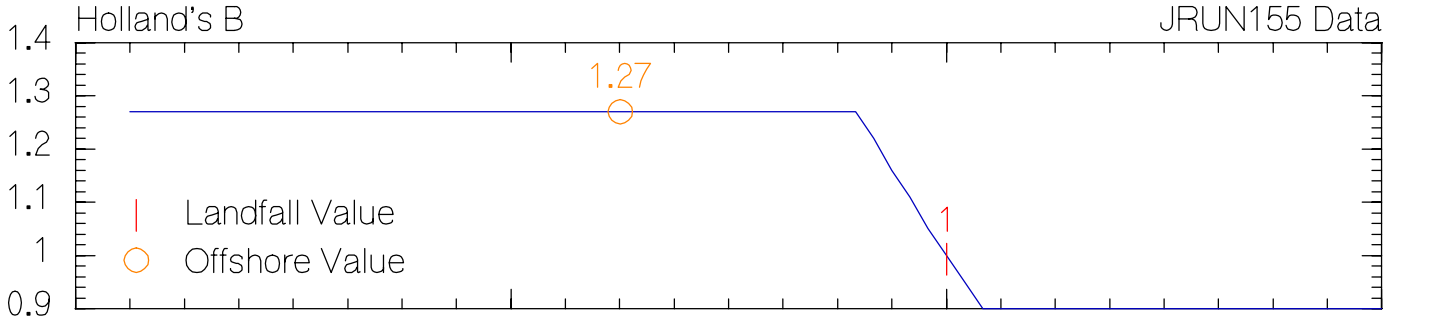


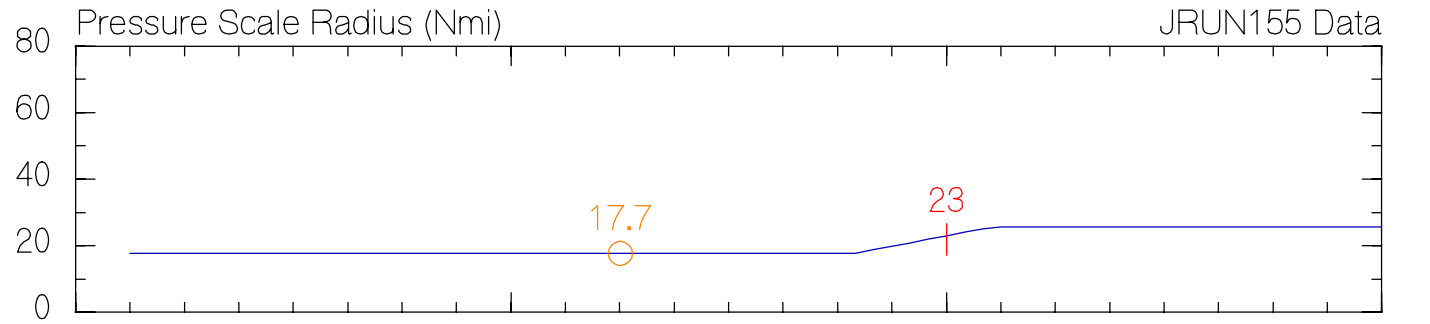


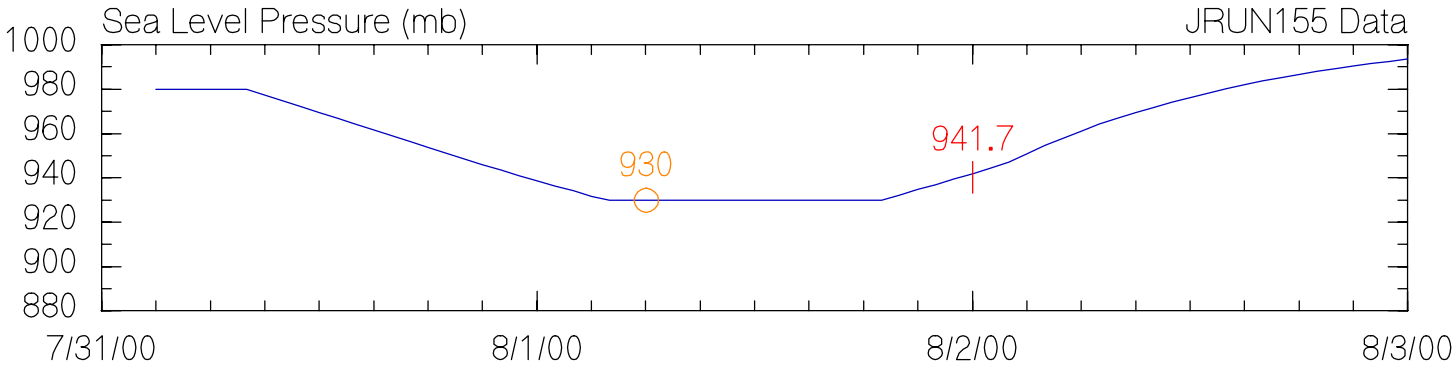


JRUN155 Data









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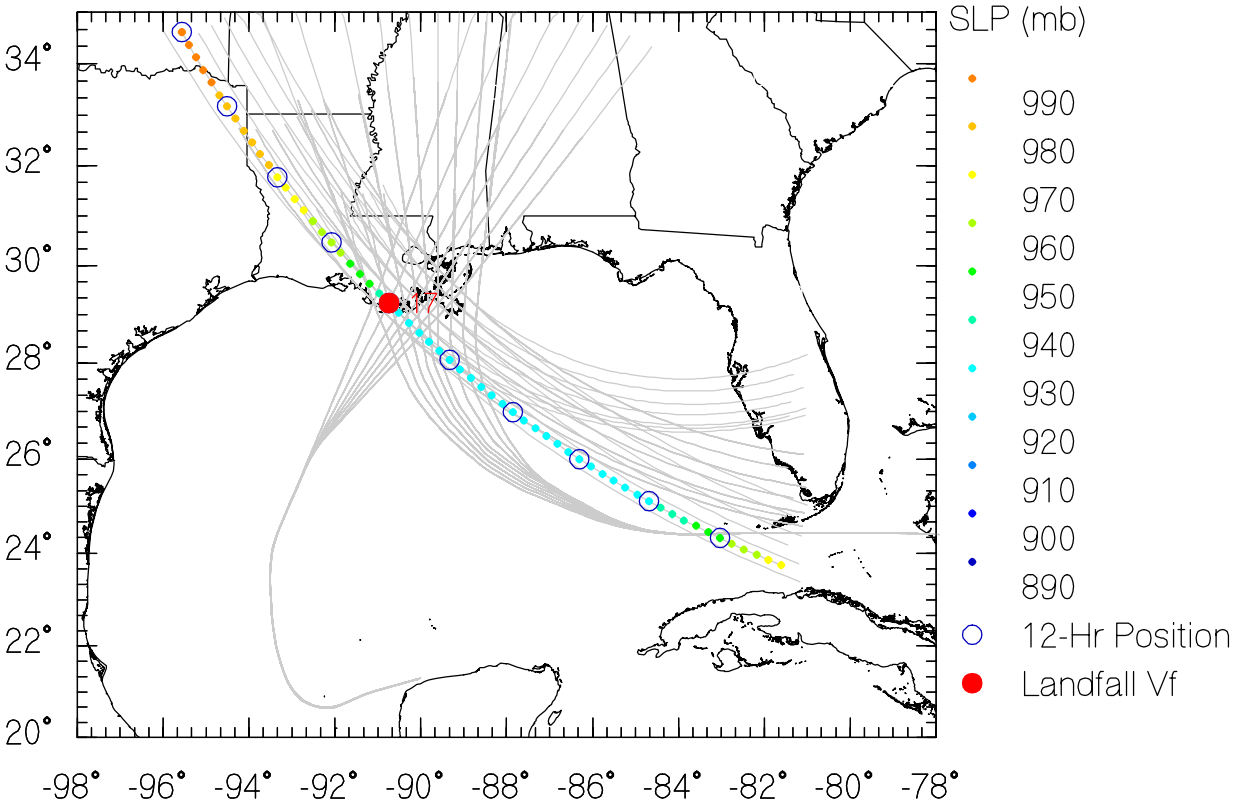

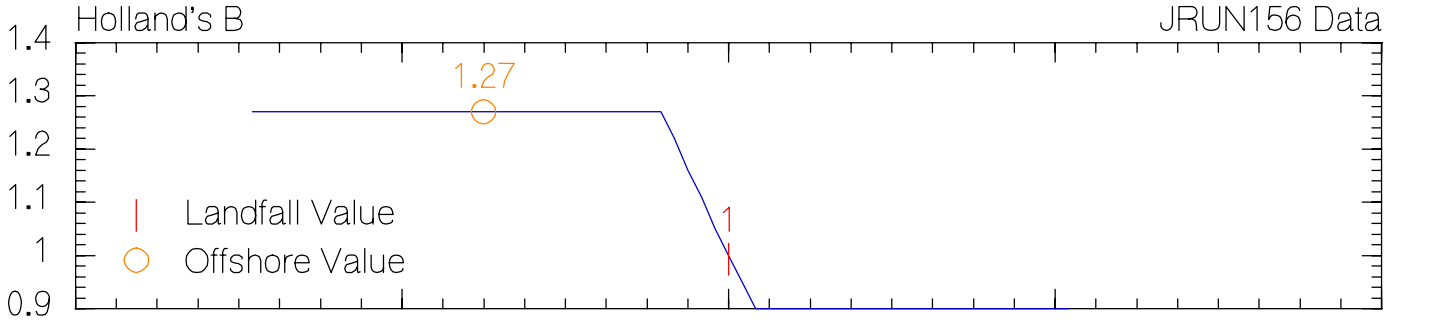

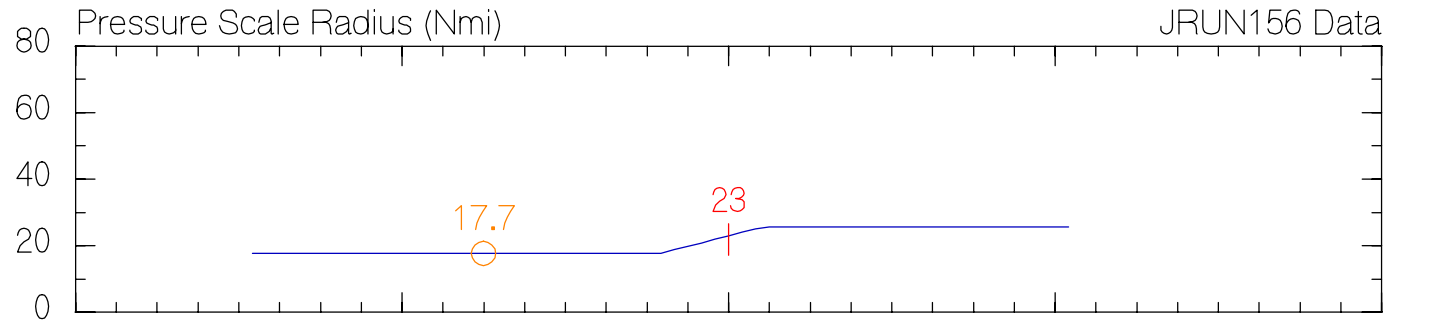

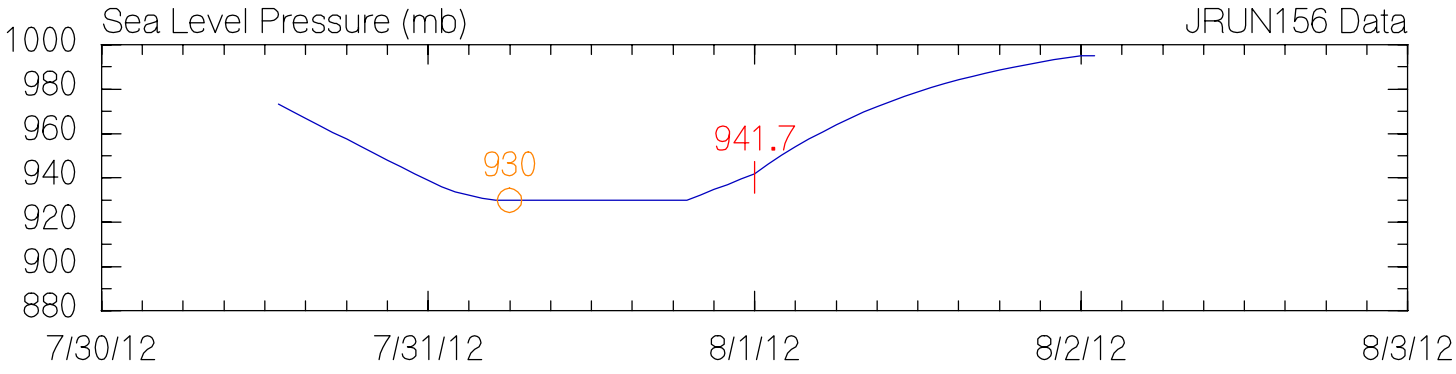

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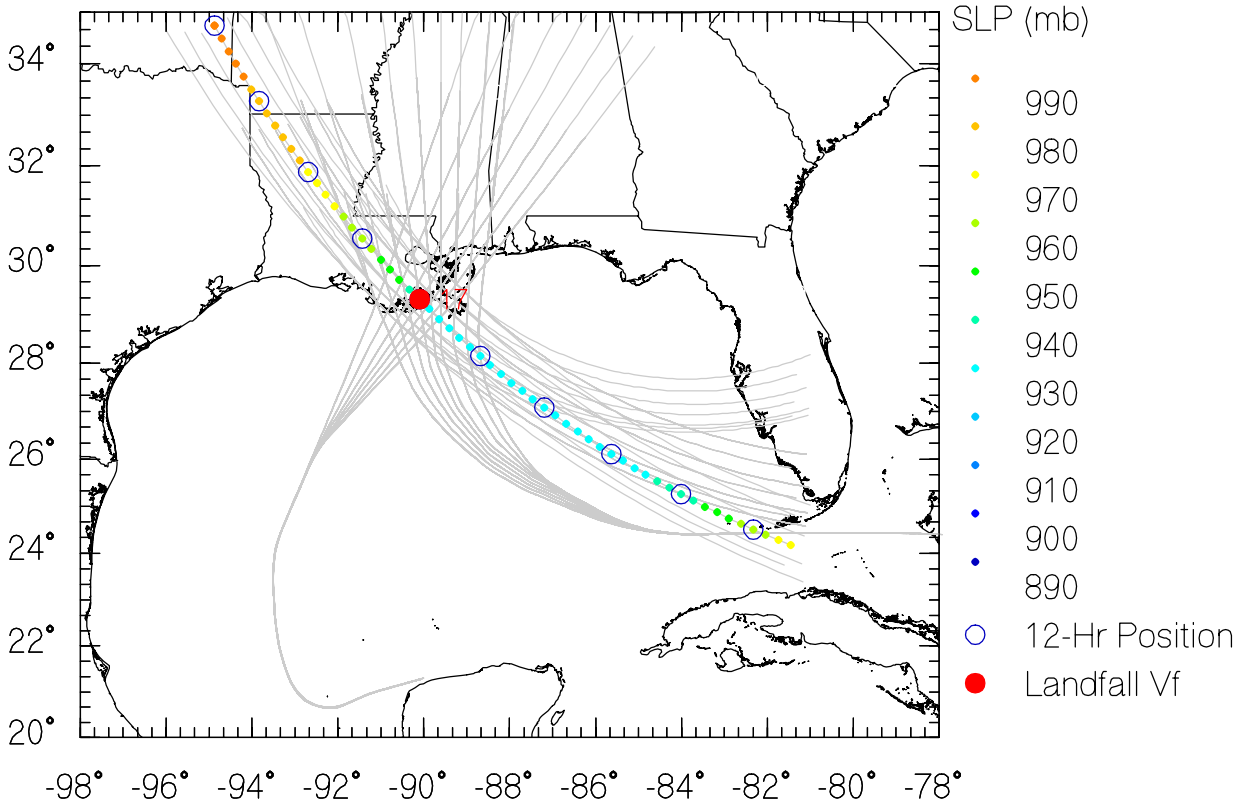
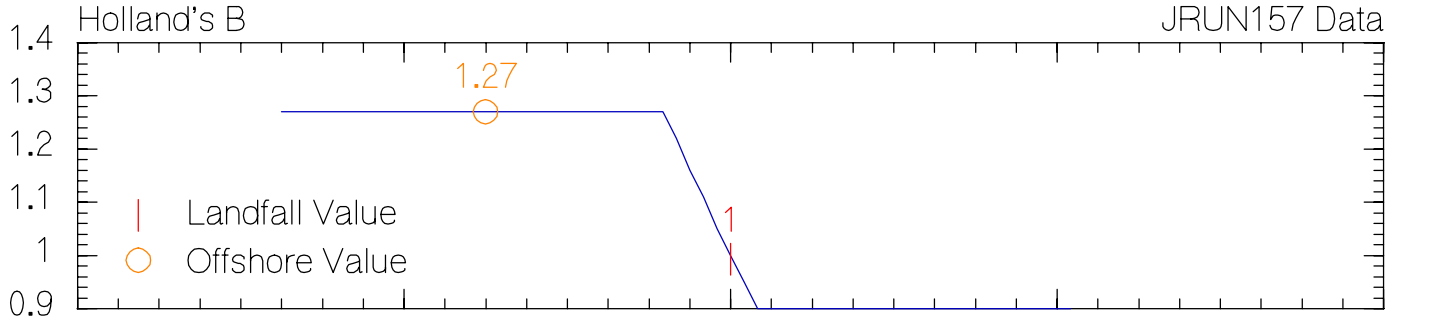
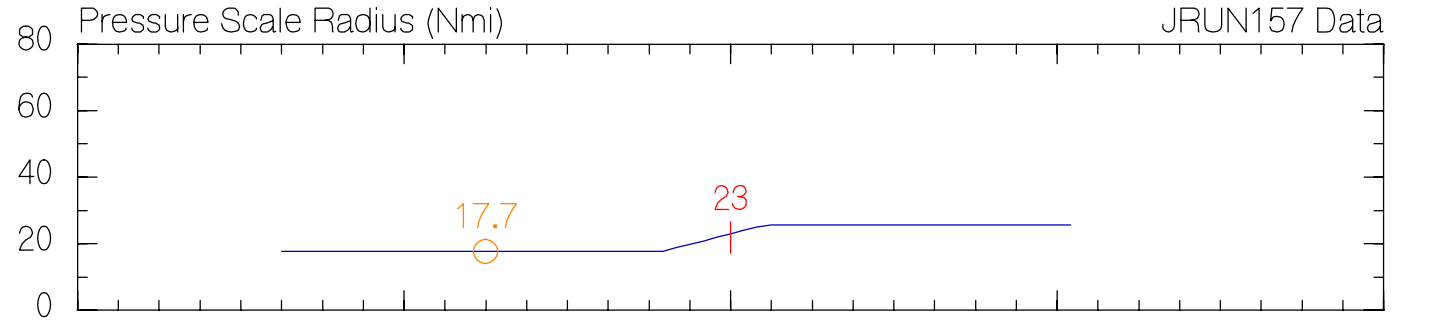
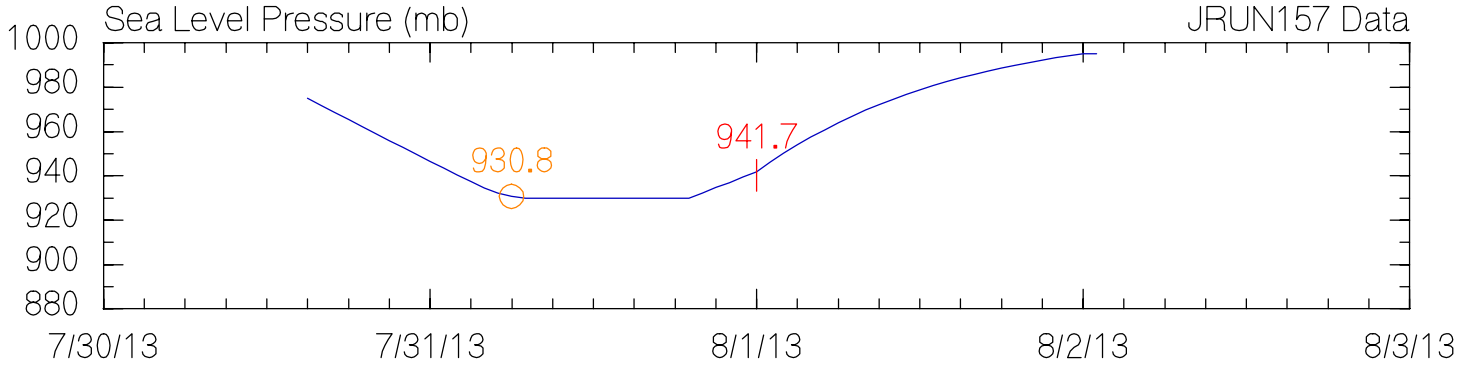
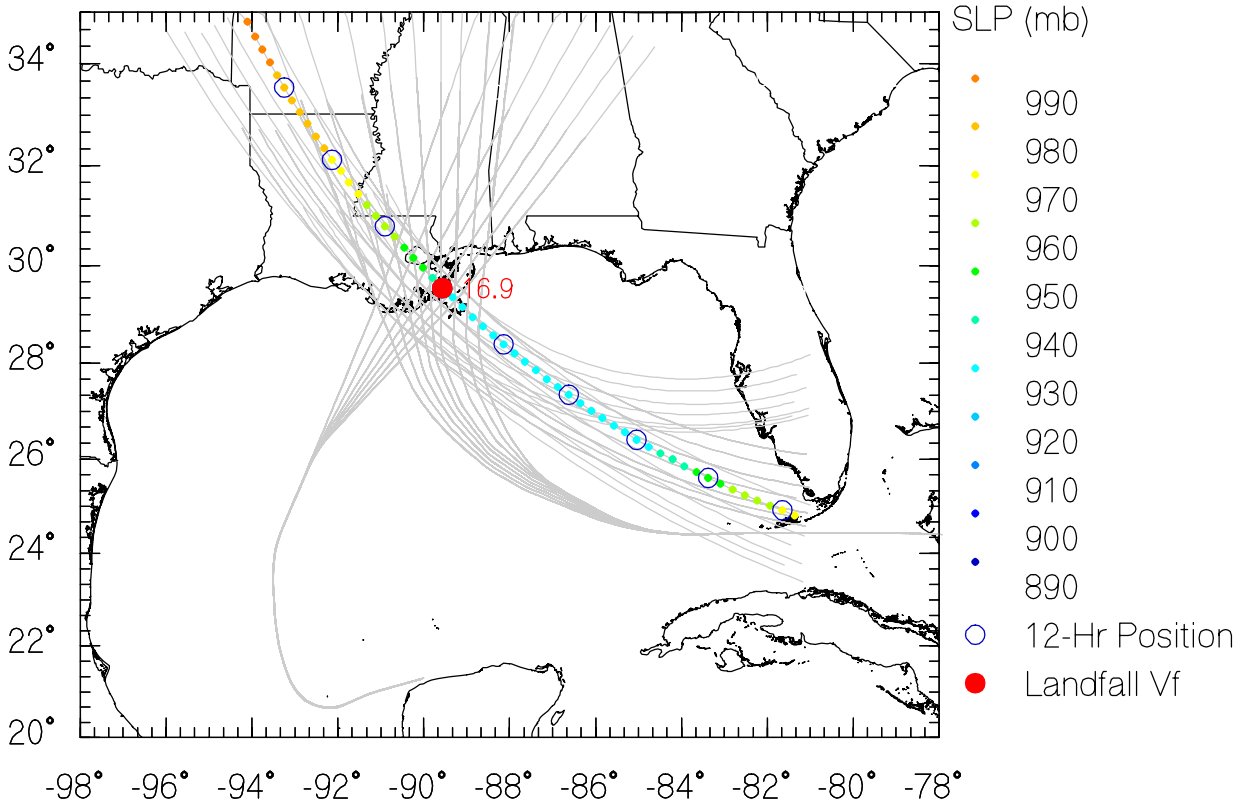


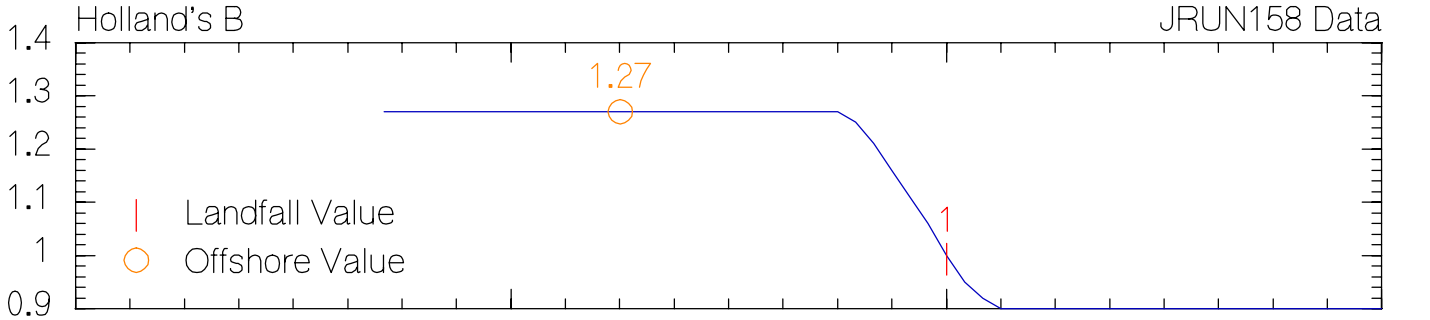


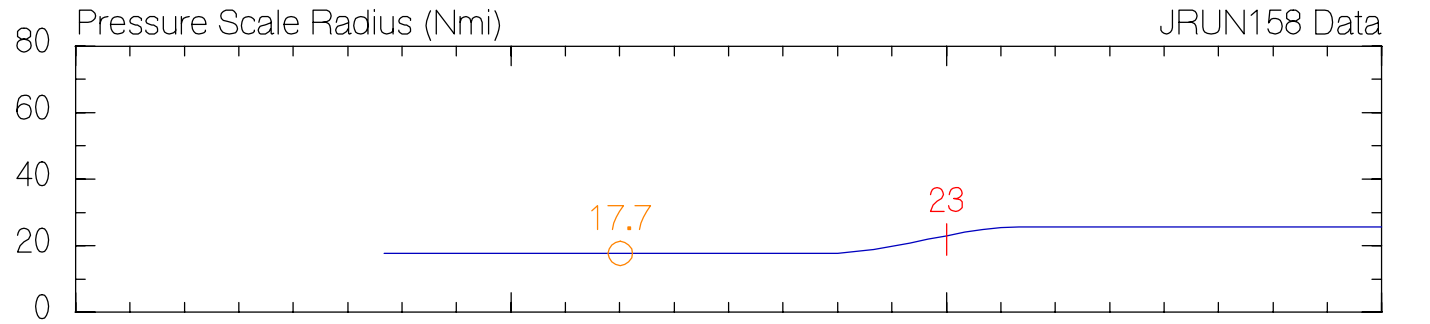


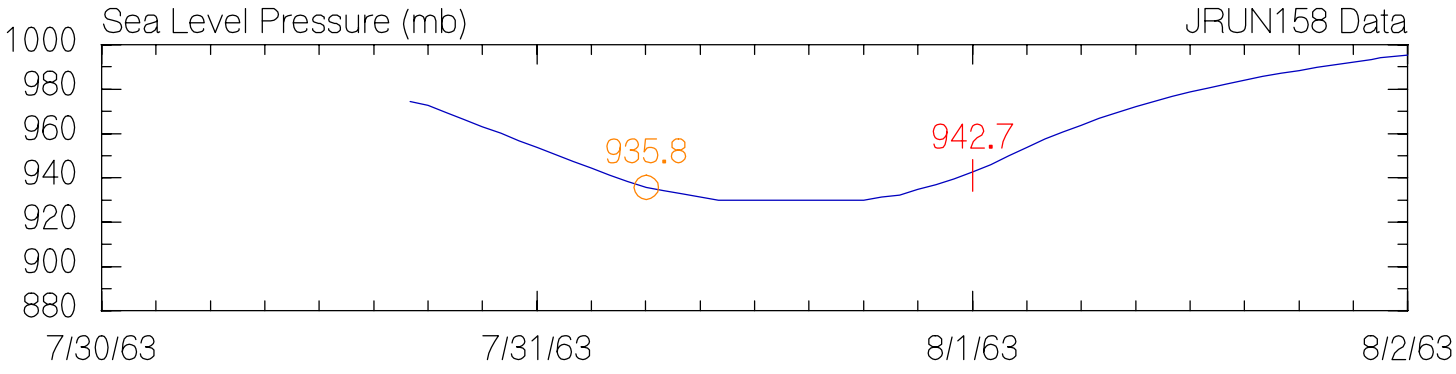


JRUN158 Data

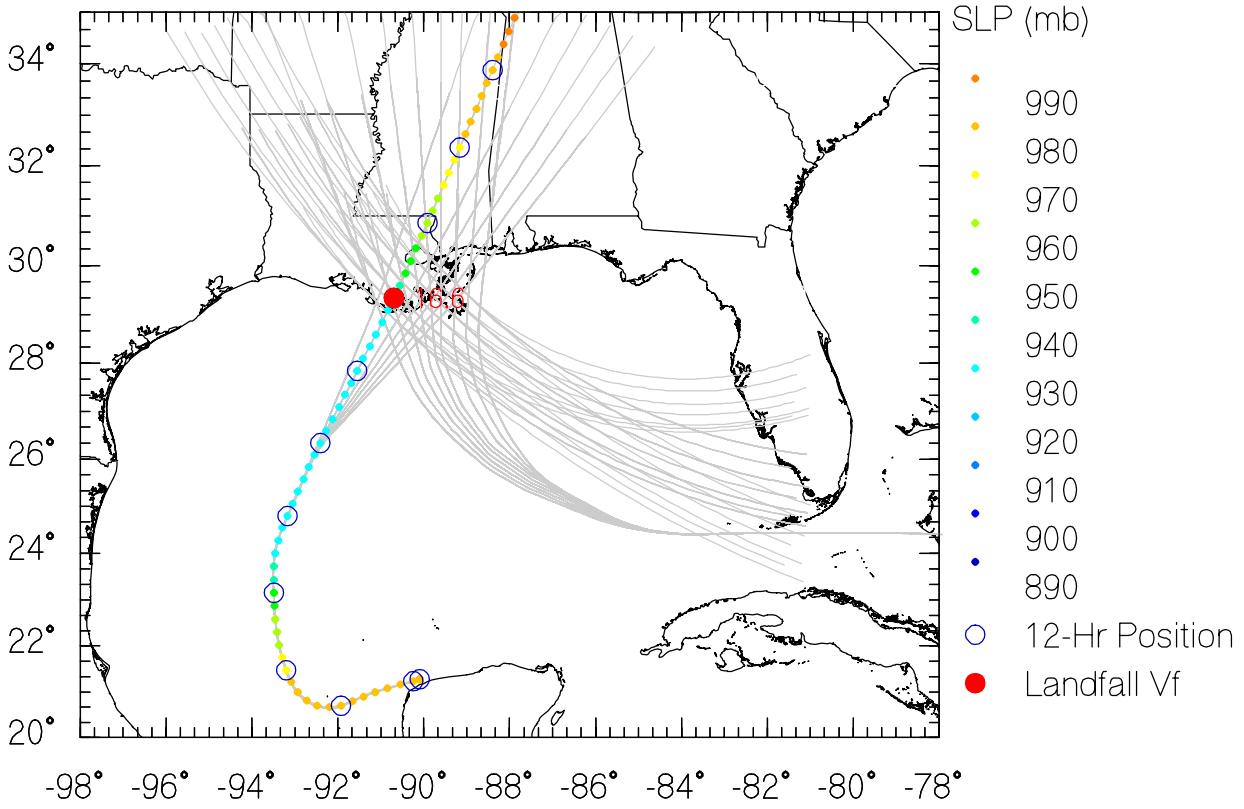


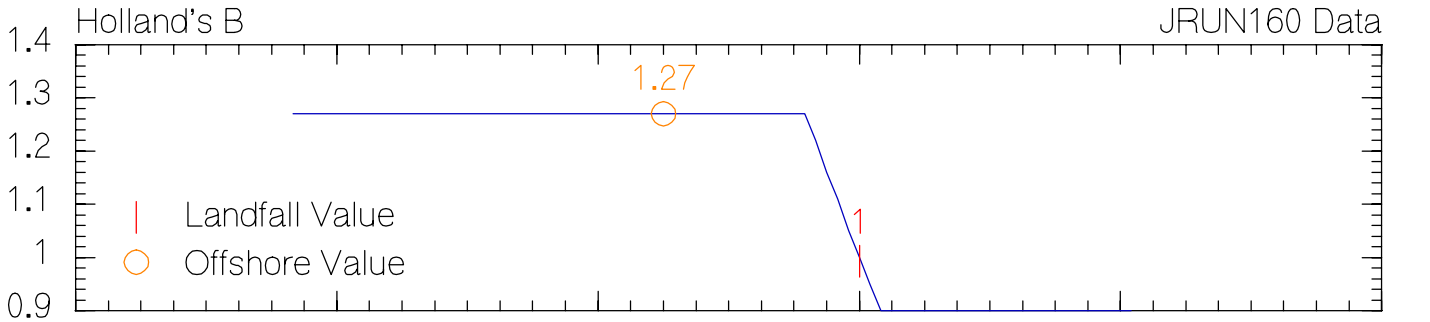


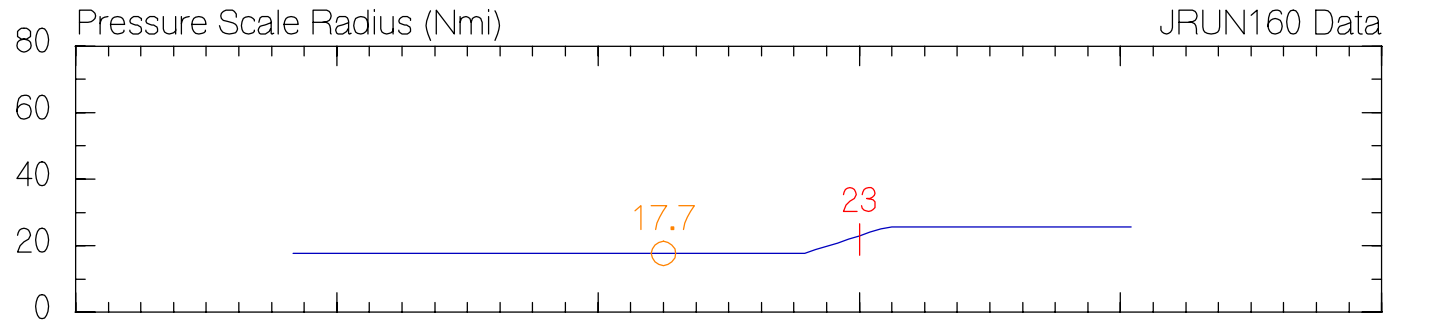


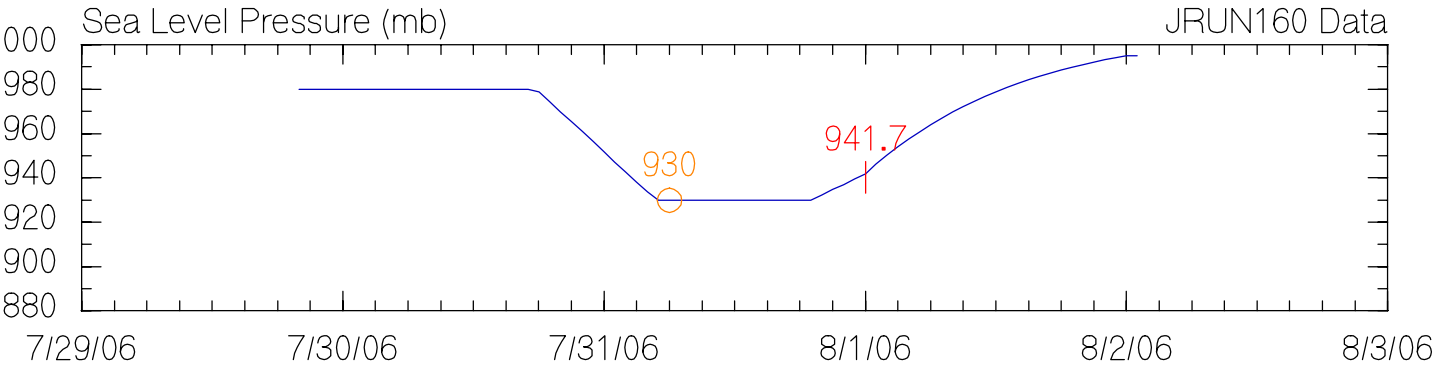


JRUN160 Data









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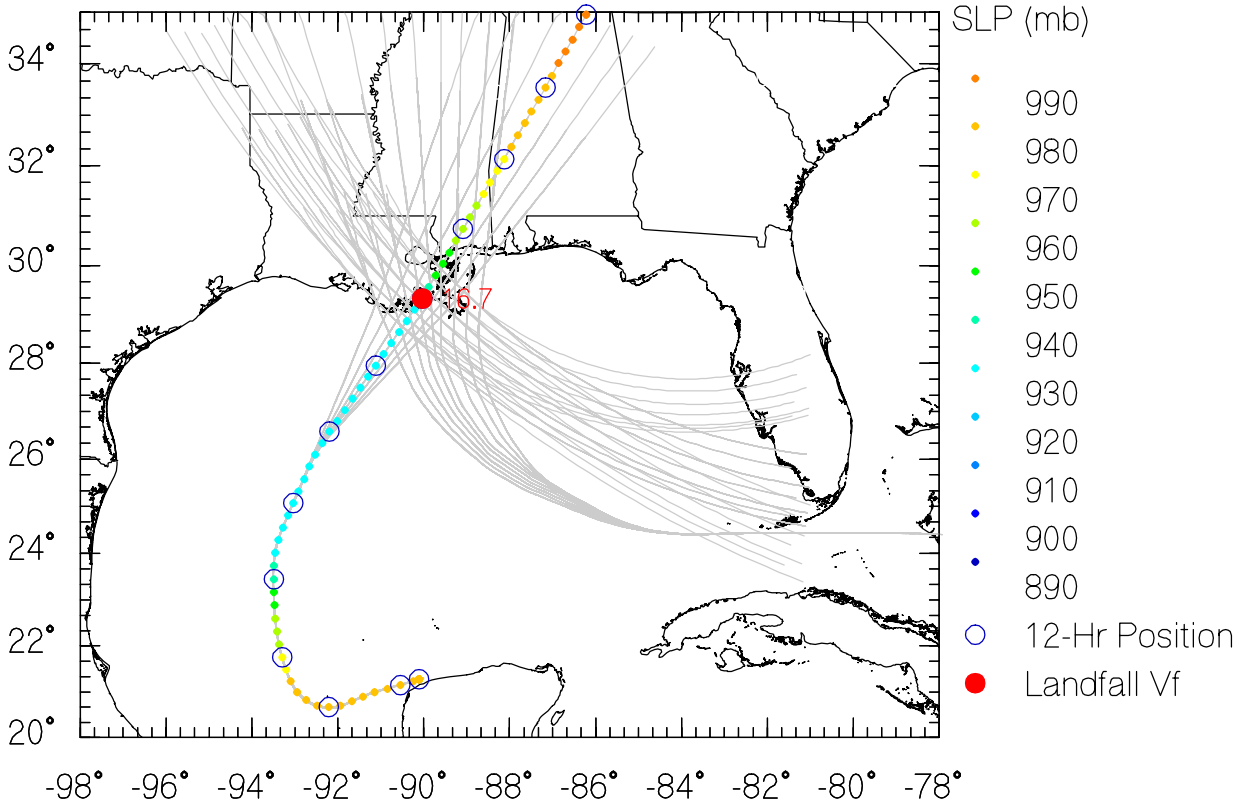
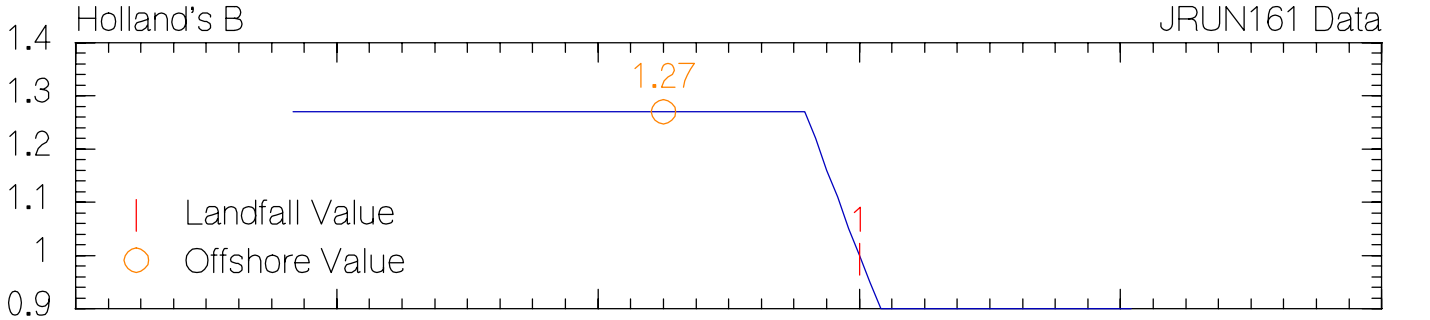
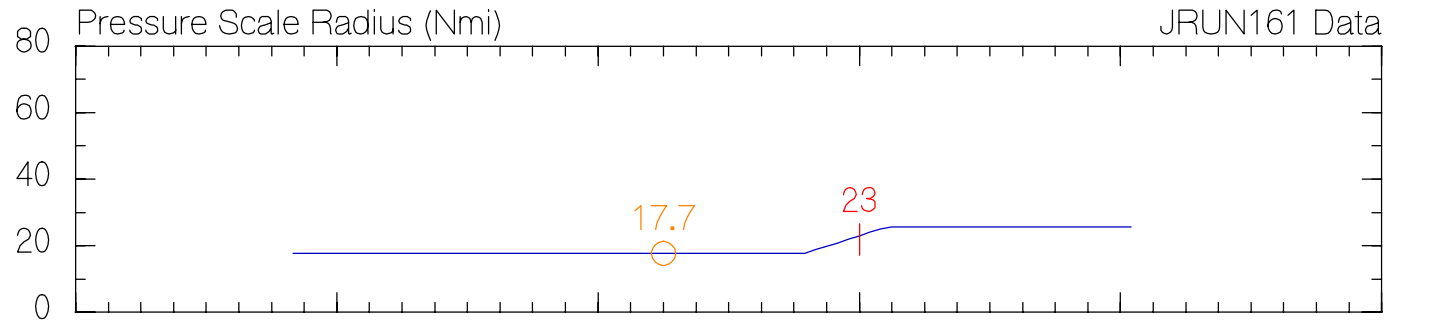
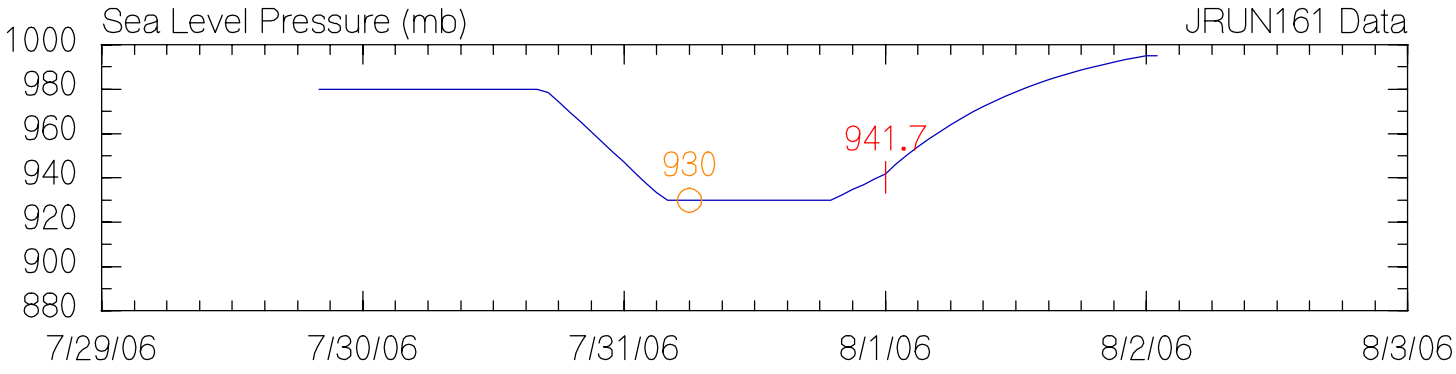
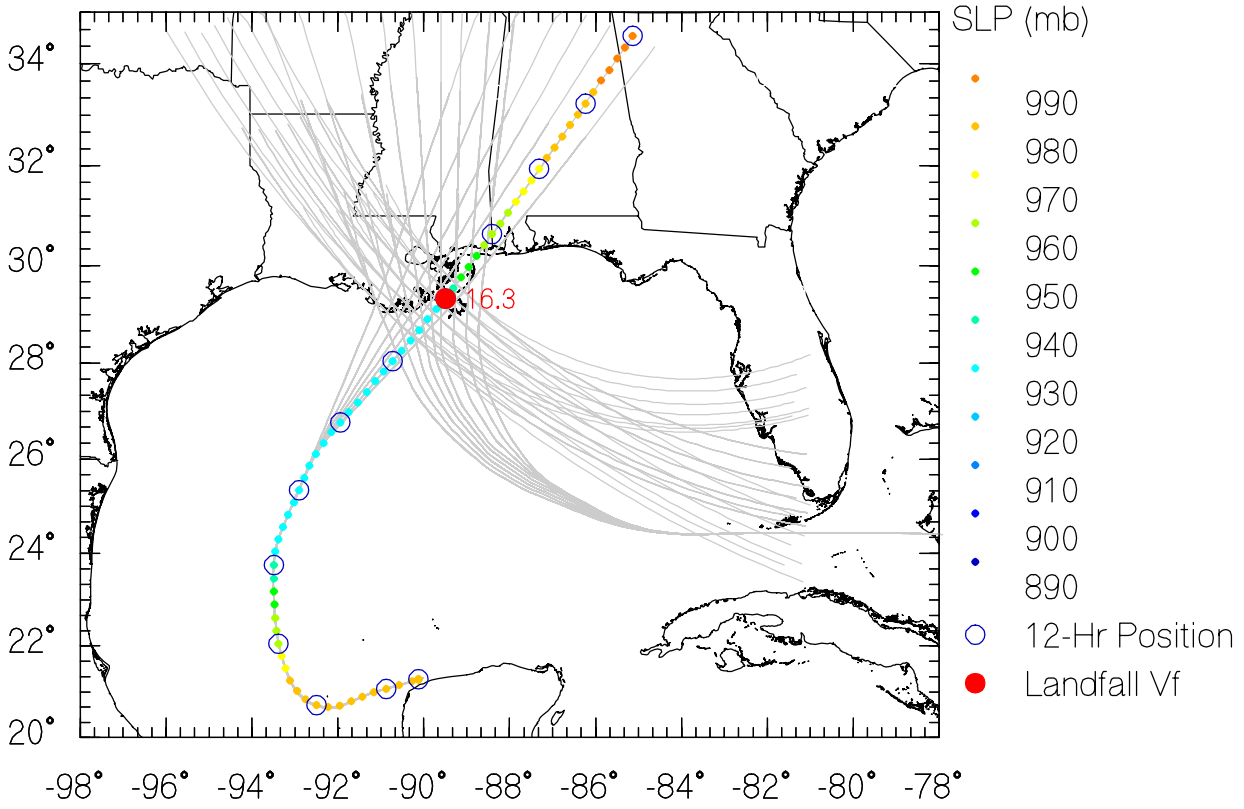


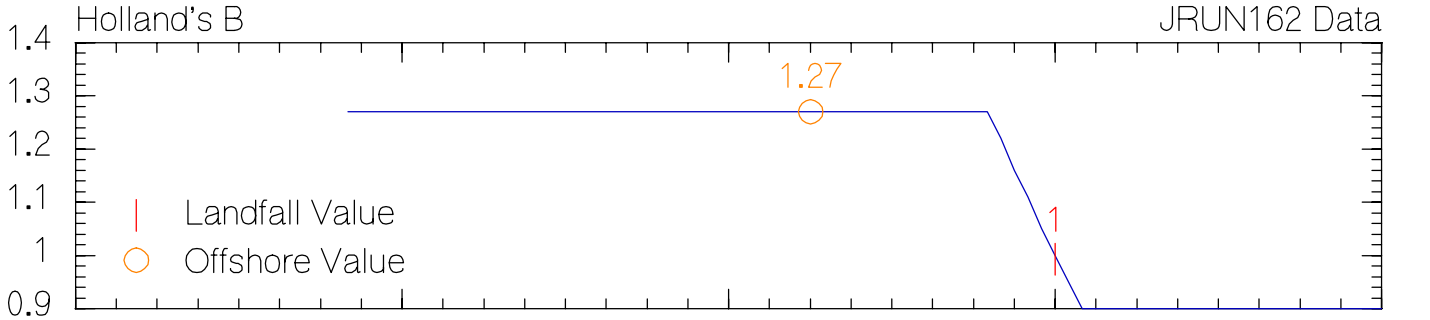


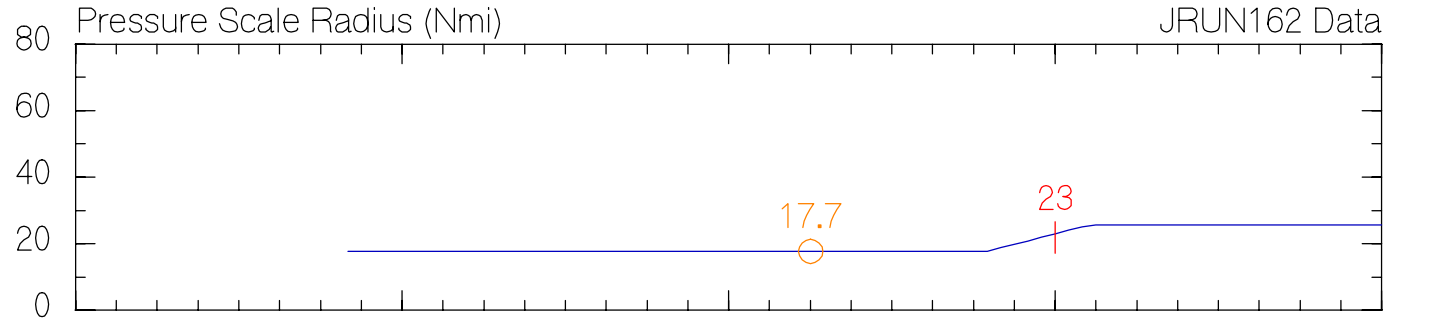


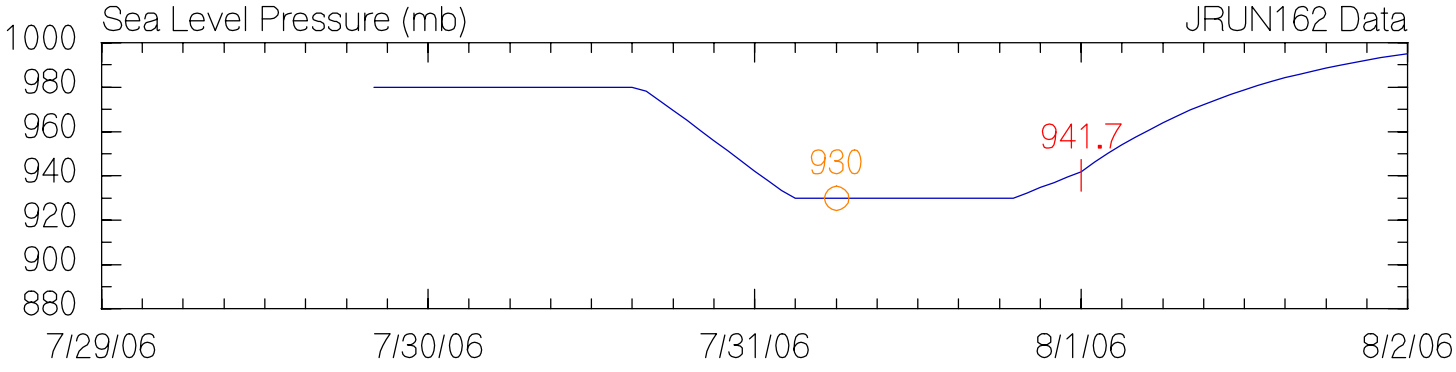


JRUN162 Data









APPENDIX B

OWI Model Sample Files – Storm Track

Appendix PBL-A Storm Track File

storm number 1

200607	*290100*	*24.43*	*-79.18*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290200*	*24.43*	*-79.38*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290300*	*24.44*	*-79.58*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290400*	*24.44*	*-79.78*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290500*	*24.44*	*-79.97*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290600*	*24.44*	*-80.17*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290700*	*24.44*	*-80.37*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290800*	*24.44*	*-80.57*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*290900*	*24.44*	*-80.77*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*291000*	*24.44*	*-80.97*	*980.00*	*11.00*	*1.27*	*11.00*
200607	*291100*	*24.44*	*-81.17*	*979.45*	*11.00*	*1.27*	*11.00*
200607	*291200*	*24.44*	*-81.36*	*978.79*	*11.00*	*1.27*	*11.00*
200607	*291300*	*24.44*	*-81.56*	*978.13*	*11.00*	*1.27*	*11.00*
200607	*291400*	*24.44*	*-81.76*	*977.47*	*11.00*	*1.27*	*11.00*
200607	*291500*	*24.43*	*-81.96*	*976.80*	*11.00*	*1.27*	*11.00*
200607	*291600*	*24.43*	*-82.16*	*976.14*	*11.00*	*1.27*	*11.00*
200607	*291700*	*24.43*	*-82.36*	*975.48*	*11.00*	*1.27*	*11.00*
200607	*291800*	*24.42*	*-82.55*	*974.82*	*11.00*	*1.27*	*11.00*
200607	*291900*	*24.42*	*-82.75*	*974.16*	*11.00*	*1.27*	*11.00*
200607	*292000*	*24.42*	*-82.95*	*973.50*	*11.00*	*1.27*	*11.00*
200607	*292100*	*24.41*	*-83.15*	*972.84*	*11.00*	*1.27*	*11.00*

200607	292200	24.41	-83.35	972.18	11.00	1.27	11.00
200607	292300	24.40	-83.54	971.52	11.00	1.27	11.00
200607	300000	24.40	-83.74	970.85	11.00	1.27	11.00
200607	300100	24.40	-83.94	970.19	11.00	1.27	11.00
200607	300200	24.41	-84.14	969.53	11.00	1.27	11.00
200607	300300	24.42	-84.34	968.87	11.00	1.27	11.00
200607	300400	24.44	-84.54	968.22	11.00	1.27	11.00
200607	300500	24.46	-84.73	967.56	11.00	1.27	11.00
200607	300600	24.49	-84.93	966.90	11.00	1.27	11.00
200607	300700	24.52	-85.12	966.25	11.00	1.27	11.00
200607	300800	24.56	-85.32	965.60	11.00	1.27	11.00
200607	300900	24.60	-85.51	964.96	11.00	1.27	11.00
200607	301000	24.66	-85.70	964.32	11.00	1.27	11.00
200607	301100	24.71	-85.89	963.69	11.00	1.27	11.00
200607	301200	24.77	-86.08	963.06	11.00	1.27	11.00
200607	301300	24.84	-86.27	962.44	11.00	1.27	11.00
200607	301400	24.90	-86.45	961.82	11.00	1.27	11.00
200607	301500	24.97	-86.64	961.20	11.00	1.27	11.00
200607	301600	25.04	-86.82	960.59	11.00	1.27	11.00
200607	301700	25.11	-87.01	960.00	11.00	1.27	11.00
200607	301800	25.18	-87.19	960.00	11.00	1.27	11.00
200607	301900	25.25	-87.38	960.00	11.00	1.27	11.00
200607	302000	25.32	-87.57	960.00	11.00	1.27	11.00

200607	302100	25.40	-87.75	960.00	11.00	1.27	11.00
200607	302200	25.49	-87.92	960.00	11.00	1.27	11.00
200607	302300	25.58	-88.10	960.00	11.00	1.27	11.00
200607	310000	25.67	-88.27	960.00	11.00	1.27	11.00
200607	310100	25.77	-88.44	960.00	11.00	1.27	11.00
200607	310200	25.87	-88.61	960.00	11.00	1.27	11.00
200607	310300	25.99	-88.76	960.00	11.00	1.27	11.00
200607	310400	26.11	-88.92	960.00	11.00	1.27	11.00
200607	310500	26.23	-89.07	960.00	11.00	1.27	11.00
200607	310600	26.35	-89.22	960.00	11.00	1.27	11.00
200607	310700	26.48	-89.37	960.00	11.00	1.27	11.00
200607	310800	26.61	-89.52	960.00	11.00	1.27	11.00
200607	310900	26.74	-89.65	960.00	11.00	1.27	11.00
200607	311000	26.88	-89.79	960.00	11.00	1.27	11.00
200607	311100	27.03	-89.92	960.00	11.00	1.27	11.00
200607	311200	27.17	-90.04	960.00	11.00	1.27	11.00
200607	311300	27.33	-90.16	960.00	11.00	1.27	11.00
200607	311400	27.48	-90.26	960.00	11.00	1.27	11.00
200607	311500	27.65	-90.35	960.00	11.00	1.27	11.00
200607	311600	27.82	-90.44	960.00	11.00	1.27	11.00
200607	311700	27.98	-90.53	960.00	11.00	1.27	11.00
200607	311800	28.15	-90.61	960.00	11.00	1.27	11.00
200607	311900	28.32	-90.68	960.00	11.00	1.27	11.00

200607	*312000*	*28.49*	*-90.75*	*960.00*	*11.00*	*1.27*	*11.00*
200607	*312100*	*28.66*	*-90.83*	*960.00*	*11.00*	*1.27*	*11.00*
200607	*312200*	*28.83*	*-90.91*	*960.00*	*11.00*	*1.27*	*11.00*
200607	*312300*	*29.00*	*-90.99*	*960.00*	*11.00*	*1.27*	*11.00*
200608	*10000*	*29.17*	*-91.07*	*960.00*	*11.00*	*1.27*	*11.00*
200608	*10100*	*29.34*	*-91.14*	*960.00*	*11.00*	*1.27*	*11.00*
200608	*10200*	*29.52*	*-91.22*	*960.00*	*11.00*	*1.27*	*11.00*
200608	*10300*	*29.69*	*-91.29*	*962.75*	*11.00*	*1.27*	*11.00*
200608	*10400*	*29.86*	*-91.37*	*965.34*	*11.00*	*1.27*	*11.00*
200608	*10500*	*30.03*	*-91.44*	*967.79*	*11.00*	*1.27*	*11.00*
200608	*10600*	*30.20*	*-91.52*	*970.09*	*11.00*	*1.27*	*11.00*
200608	*10700*	*30.37*	*-91.59*	*972.26*	*11.00*	*1.27*	*11.00*
200608	*10800*	*30.54*	*-91.67*	*974.31*	*11.00*	*1.27*	*11.00*
200608	*10900*	*30.71*	*-91.74*	*976.24*	*11.00*	*1.27*	*11.00*
200608	*11000*	*30.89*	*-91.82*	*978.06*	*11.00*	*1.27*	*11.00*
200608	*11100*	*31.06*	*-91.89*	*979.78*	*11.00*	*1.27*	*11.00*
200608	*11200*	*31.23*	*-91.97*	*981.39*	*11.00*	*1.27*	*11.00*
200608	*11300*	*31.40*	*-92.04*	*982.92*	*11.00*	*1.27*	*11.00*
200608	*11400*	*31.57*	*-92.12*	*984.35*	*11.00*	*1.27*	*11.00*
200608	*11500*	*31.74*	*-92.19*	*985.71*	*11.00*	*1.27*	*11.00*
200608	*11600*	*31.91*	*-92.27*	*986.99*	*11.00*	*1.27*	*11.00*
200608	*11700*	*32.09*	*-92.34*	*988.19*	*11.00*	*1.27*	*11.00*
200608	*11800*	*32.26*	*-92.41*	*989.32*	*11.00*	*1.27*	*11.00*

200608	*11900*	*32.43*	*-92.49*	*990.39*	*11.00*	*1.27*	*11.00*
200608	*12000*	*32.60*	*-92.56*	*991.40*	*11.00*	*1.27*	*11.00*
200608	*12100*	*32.77*	*-92.64*	*992.35*	*11.00*	*1.27*	*11.00*
200608	*12200*	*32.94*	*-92.71*	*993.25*	*11.00*	*1.27*	*11.00*
200608	*12300*	*33.11*	*-92.79*	*994.10*	*11.00*	*1.27*	*11.00*
200608	*20000*	*33.28*	*-92.86*	*994.89*	*11.00*	*1.27*	*11.00*

APPENDIX C

OWI Model Sample Files – TROP Format

APPENDIX PBL- B TROP File

Description of trop file parameters:

Storm Name: CCYYMM date

Storm Number (for season): DDHHNN Date (GMT)

Lat: Latitude in degrees lat

Long: Longitude in degrees long

Rot: Rotation of storm wind field in degrees

S: Denotes whether or not the snap is going to be computed in the tropical model.

S=0 is not computed, any other integer (1,2,3,etc...) means it will get computed.

EyeLat: Latitude of storm center in degrees lat

Direc: Direction of storm movement in meteorological degrees (from which)

Spd: Forward speed of storm in knots

EyPres: Central pressure of storm in millibars

Pfar: Ambient pressure exterior to storm (far-field pressure) in millibars

SGW: Steering flow (surface geostrophic wind) in knots

AN1: Direction of steering flow in meteorological degrees

Rad1: Scale radius of the inner exponential pressure profile in nautical miles

B1: Holland's B.

DP1: Pressure anomaly in millibars (for multiple eye structures).

Rad2: Scale radius of the outer exponential pressure profile in nautical miles.

B2: Holland's B.

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TROP File Storm 001

STORM 1 ,01, Lat, Long, Rot,S, EyeLat,Direc, Spd,EyPres, Pfar, SGW, AN1, Rad1, B1, DP1, Rad2, B2,Comments

200607,290200, 24.430, -79.380, 0.0,1, 24.430,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,290300, 24.440, -79.580, 0.0,1, 24.440,303.1,10.9, 980.0,1013.0, 13.1, 93.1, 11.0, 1.27, , ,

200607,290400, 24.440, -79.780, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,290500, 24.440, -79.970, 0.0,1, 24.440,300.0,10.4, 980.0,1013.0, 12.4, 90.0, 11.0, 1.27, , ,

200607,290600, 24.440, -80.170, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,290700, 24.440, -80.370, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,290800, 24.440, -80.570, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,290900, 24.440, -80.770, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291000, 24.440, -80.970, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291100, 24.440, -81.170, 0.0,1, 24.440,300.0,10.9, 979.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291200, 24.440, -81.360, 0.0,1, 24.440,300.0,10.4, 978.8,1013.0, 12.4, 90.0, 11.0, 1.27, , ,

200607,291300, 24.440, -81.560, 0.0,1, 24.440,300.0,10.9, 978.1,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291400, 24.440, -81.760, 0.0,1, 24.440,300.0,10.9, 977.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291500, 24.430, -81.960, 0.0,1, 24.430,296.9,10.9, 976.8,1013.0, 13.1, 86.9, 11.0, 1.27, , ,

200607,291600, 24.430, -82.160, 0.0,1, 24.430,300.0,10.9, 976.1,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291700, 24.430, -82.360, 0.0,1, 24.430,300.0,10.9, 975.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,291800, 24.420, -82.550, 0.0,1, 24.420,296.7,10.4, 974.8,1013.0, 12.5, 86.7, 11.0, 1.27, , ,

200607,291900, 24.420, -82.750, 0.0,1, 24.420,300.0,10.9, 974.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,292000, 24.420, -82.950, 0.0,1, 24.420,300.0,10.9, 973.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,292100, 24.410, -83.150, 0.0,1, 24.410,296.9,10.9, 972.8,1013.0, 13.1, 86.9, 11.0, 1.27, , ,

200607,292200, 24.410, -83.350, 0.0,1, 24.410,300.0,10.9, 972.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,292300, 24.400, -83.540, 0.0,1, 24.400,296.7,10.4, 971.5,1013.0, 12.5, 86.7, 11.0, 1.27, , ,

200607,300000, 24.400, -83.740, 0.0,1, 24.400,300.0,10.9, 970.8,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,300100, 24.400, -83.940, 0.0,1, 24.400,300.0,10.9, 970.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,300200, 24.410, -84.140, 0.0,1, 24.410,303.1,10.9, 969.5,1013.0, 13.1, 93.1, 11.0, 1.27, , ,

200607,300300, 24.420, -84.340, 0.0,1, 24.420,303.1,10.9, 968.9,1013.0, 13.1, 93.1, 11.0, 1.27, , ,

200607,300400, 24.440, -84.540, 0.0,1, 24.440,306.3,11.0, 968.2,1013.0, 13.2, 96.3, 11.0, 1.27, , ,

200607,300500, 24.460, -84.730, 0.0,1, 24.460,306.6,10.4, 967.6,1013.0, 12.5, 96.6, 11.0, 1.27, , ,

200607,300600, 24.490, -84.930, 0.0,1, 24.490,309.3,11.1, 966.9,1013.0, 13.3, 99.3, 11.0, 1.27, , ,

200607,300700, 24.520, -85.120, 0.0,1, 24.520,309.8,10.5, 966.2,1013.0, 12.6, 99.8, 11.0, 1.27, , ,

200607,300800, 24.560, -85.320, 0.0,1, 24.560,312.4,11.2, 965.6,1013.0, 13.4,102.4, 11.0, 1.27, , ,

200607,300900, 24.600, -85.510, 0.0,1, 24.600,313.0,10.6, 965.0,1013.0, 12.8,103.0, 11.0, 1.27, , ,

200607,301000, 24.660, -85.700, 0.0,1, 24.660,319.1,11.0, 964.3,1013.0, 13.1,109.1, 11.0, 1.27, , ,

200607,301100, 24.710, -85.890, 0.0,1, 24.710,316.1,10.8, 963.7,1013.0, 12.9,106.1, 11.0, 1.27, , ,

200607,301200, 24.770, -86.080, 0.0,1, 24.770,319.1,10.9, 963.1,1013.0, 13.1,109.1, 11.0, 1.27, , ,

200607,301300, 24.840, -86.270, 0.0,1, 24.840,322.0,11.2, 962.4,1013.0, 13.4,112.0, 11.0, 1.27, , ,

200607,301400, 24.900, -86.450, 0.0,1, 24.900,320.1,10.4, 961.8,1013.0, 12.5,110.1, 11.0, 1.27, , ,

200607,301500, 24.970, -86.640, 0.0,1, 24.970,322.1,11.1, 961.2,1013.0, 13.4,112.1, 11.0, 1.27, , ,

200607,301600, 25.040, -86.820, 0.0,1, 25.040,323.2,10.6, 960.6,1013.0, 12.8,113.2, 11.0, 1.27, , ,

200607,301700, 25.110, -87.010, 0.0,1, 25.110,322.1,11.1, 960.0,1013.0, 13.4,112.1, 11.0, 1.27, , ,

200607,301800, 25.180, -87.190, 0.0,1, 25.180,323.2,10.6, 960.0,1013.0, 12.8,113.2, 11.0, 1.27, , ,

200607,301900, 25.250, -87.380, 0.0,1, 25.250,322.1,11.1, 960.0,1013.0, 13.3,112.1, 11.0, 1.27, , ,

200607,302000, 25.320, -87.570, 0.0,1, 25.320,322.1,11.1, 960.0,1013.0, 13.3,112.1, 11.0, 1.27, , ,

200607,302100, 25.400, -87.750, 0.0,1, 25.400,326.1,10.9, 960.0,1013.0, 13.0,116.1, 11.0, 1.27, , ,

200607,302200, 25.490, -87.920, 0.0,1, 25.490,330.3,10.7, 960.0,1013.0, 12.8,120.3, 11.0, 1.27, , ,

200607,302300, 25.580, -88.100, 0.0,1, 25.580,328.9,11.1, 960.0,1013.0, 13.4,118.9, 11.0, 1.27, , ,

200607,310000, 25.670, -88.270, 0.0,1, 25.670,330.3,10.6, 960.0,1013.0, 12.8,120.3, 11.0, 1.27, , ,

200607,310100, 25.770, -88.440, 0.0,1, 25.770,333.1,11.0, 960.0,1013.0, 13.1,123.1, 11.0, 1.27, , ,

200607,310200, 25.870, -88.610, 0.0,1, 25.870,333.1,11.0, 960.0,1013.0, 13.1,123.1, 11.0, 1.27, , ,

200607,310300, 25.990, -88.760, 0.0,1, 25.990,341.6,10.8, 960.0,1013.0, 13.0,131.6, 11.0, 1.27, , ,

200607,310400, 26.110, -88.920, 0.0,1, 26.110,339.8,11.2, 960.0,1013.0, 13.5,129.8, 11.0, 1.27, , ,

200607,310500, 26.230, -89.070, 0.0,1, 26.230,341.6,10.8, 960.0,1013.0, 13.0,131.6, 11.0, 1.27, , ,

200607,310600, 26.350, -89.220, 0.0,1, 26.350,341.7,10.8, 960.0,1013.0, 13.0,131.7, 11.0, 1.27, , ,

200607,310700, 26.480, -89.370, 0.0,1, 26.480,344.0,11.2, 960.0,1013.0, 13.4,134.0, 11.0, 1.27, , ,

200607,310800, 26.610, -89.520, 0.0,1, 26.610,344.0,11.2, 960.0,1013.0, 13.4,134.0, 11.0, 1.27, , ,

200607,310900, 26.740, -89.650, 0.0,1, 26.740,348.1,10.4, 960.0,1013.0, 12.5,138.1, 11.0, 1.27, , ,

200607,311000, 26.880, -89.790, 0.0,1, 26.880,348.2,11.2, 960.0,1013.0, 13.5,138.2, 11.0, 1.27, , ,

200607,311100, 27.030, -89.920, 0.0,1, 27.030,352.2,11.3, 960.0,1013.0, 13.6,142.2, 11.0, 1.27, , ,

200607,311200, 27.170, -90.040, 0.0,1, 27.170,352.6,10.5, 960.0,1013.0, 12.6,142.6, 11.0, 1.27, , ,

200607,311300, 27.330, -90.160, 0.0,1, 27.330,356.2,11.5, 960.0,1013.0, 13.8,146.2, 11.0, 1.27, , ,

200607,311400, 27.480, -90.260, 0.0,1, 27.480,359.3,10.4, 960.0,1013.0, 12.5,149.3, 11.0, 1.27, , ,

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200607,311600, 27.820, -90.440, 0.0,1, 27.820, 4.8,11.2, 960.0,1013.0, 13.5,154.8, 11.0, 1.27, , ,

200607,311700, 27.980, -90.530, 0.0,1, 27.980, 3.5,10.7, 960.0,1013.0, 12.8,153.5, 11.0, 1.27, , ,

200607,311800, 28.150, -90.610, 0.0,1, 28.150, 7.4,11.0, 960.0,1013.0, 13.2,157.4, 11.0, 1.27, , ,

200607,311900, 28.320, -90.680, 0.0,1, 28.320, 10.0,10.8, 960.0,1013.0, 13.0,160.0, 11.0, 1.27, , ,

200607,312000, 28.490, -90.750, 0.0,1, 28.490, 10.0,10.8, 960.0,1013.0, 13.0,160.0, 11.0, 1.27, , ,

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200607,312200, 28.830, -90.910, 0.0,1, 28.830, 7.5,11.0, 960.0,1013.0, 13.2,157.5, 11.0, 1.27, , ,

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200608, 10000, 29.170, -91.070, 0.0,1, 29.170, 7.6,11.0, 960.0,1013.0, 13.2,157.6, 11.0, 1.27, , ,

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200608, 10500, 30.030, -91.440, 0.0,1, 30.030, 10.3,10.8, 967.8,1013.0, 13.0,160.3, 11.0, 1.27, , ,

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200608, 10700, 30.370, -91.590, 0.0,1, 30.370, 10.4,10.8, 972.3,1013.0, 12.9,160.4, 11.0, 1.27, , ,

200608, 10800, 30.540, -91.670, 0.0,1, 30.540, 7.8,11.0, 974.3,1013.0, 13.2,157.8, 11.0, 1.27, , ,

200608, 10900, 30.710, -91.740, 0.0,1, 30.710, 10.4,10.8, 976.2,1013.0, 12.9,160.4, 11.0, 1.27, , ,

200608, 11000, 30.890, -91.820, 0.0,1, 30.890, 9.0,11.5, 978.1,1013.0, 13.8,159.0, 11.0, 1.27, , ,

200608, 11100, 31.060, -91.890, 0.0,1, 31.060, 10.5,10.8, 979.8,1013.0, 12.9,160.5, 11.0, 1.27, , ,

200608, 11200, 31.230, -91.970, 0.0,1, 31.230, 8.0,11.0, 981.4,1013.0, 13.2,158.0, 11.0, 1.27, , ,

200608, 11300, 31.400, -92.040, 0.0,1, 31.400, 10.6,10.8, 982.9,1013.0, 12.9,160.6, 11.0, 1.27, , ,

200608, 11400, 31.570, -92.120, 0.0,1, 31.570, 8.1,11.0, 984.3,1013.0, 13.1,158.1, 11.0, 1.27, , ,

200608, 11500, 31.740, -92.190, 0.0,1, 31.740, 10.6,10.8, 985.7,1013.0, 12.9,160.6, 11.0, 1.27, , ,

200608, 11600, 31.910, -92.270, 0.0,1, 31.910, 8.1,10.9, 987.0,1013.0, 13.1,158.1, 11.0, 1.27, , ,

200608, 11700, 32.090, -92.340, 0.0,1, 32.090, 11.7,11.3, 988.2,1013.0, 13.6,161.7, 11.0, 1.27, , ,

200608, 11800, 32.260, -92.410, 0.0,1, 32.260, 10.7,10.8, 989.3,1013.0, 12.9,160.7, 11.0, 1.27, , ,

200608, 11900, 32.430, -92.490, 0.0,1, 32.430, 8.2,10.9, 990.4,1013.0, 13.1,158.2, 11.0, 1.27, , ,

200608, 12000, 32.600, -92.560, 0.0,1, 32.600, 10.8,10.8, 991.4,1013.0, 12.9,160.8, 11.0, 1.27, , ,

200608, 12100, 32.770, -92.640, 0.0,1, 32.770, 8.3,10.9, 992.3,1013.0, 13.1,158.3, 11.0, 1.27, , ,

200608, 12200, 32.940, -92.710, 0.0,1, 32.940, 10.9,10.8, 993.2,1013.0, 12.9,160.9, 11.0, 1.27, , ,

200608, 12300, 33.110, -92.790, 0.0,1, 33.110, 8.4,10.9, 994.1,1013.0, 13.1,158.4, 11.0, 1.27, , ,

APPENDIX D

OWI Model Sample Files – PRE/WIN Format

APPENDIX PBL-C WIN/PRE File Format

Oceanweather WIN and PRE File Formats

Winds and pressure data formats are similar. The header format is the same, but in the wind file the header is followed by U then V components while in the pressure file the header is followed by just pressures. The file begins with a header indicating the starting and ending dates and is followed by a grid/date header for each time step and the u and v components of the wind in meters/second or pressures in millibars. Starting/Ending dates are in YYYYMMDDHH format where:

YYYY Year

MM Month

DD Day

HH Hour

Example win:

OWI WWS Wind Output Ucomp,Vcomp in m/s Start:1995060600 End:1995060600

iLat= 67iLong= 67DX= 1.250DY= .833SWLat= 22.500SWlon= -82.500Dt=199506060000

-1.16856 -1.06439 -.84875 -1.03460 -1.50047 -2.09462 -2.80243 -3.55863

-4.24125 -4.84273 -5.59486 -5.37088 -5.30224 -5.12534 -4.89537 -4.67412

-4.49203 -4.35772 -4.26612 -4.20260 -4.14746 -4.08396 -4.00686 -3.92213

-3.83615 -3.74765 -3.65182 -3.54998 -3.45299 -3.37660 -3.32959 -3.28037

-3.10631 -2.67723 -2.08363 -1.53773 -1.12623 -.83526 -.62870 -.47371

[rest deleted]

iLat is the number of parallels

iLong is the number of meridions

DX is the grid spacing in degrees of longitude

DY is the grid spacing in degrees of latitude

SWLat is the latitude of the South West corner

SWlon is the longitude of the South West corner

Dt is the date/time in YYYYMMDDHHmm (same as master header date format but with mm Minutes as well)

*The number of grid points is iLat*iLong, the u component of the winds in meters/second is followed by the v component.*

Wind Speed/Meteorological Wind Direction can be computed from the u/v components as follows:

*WS = sqrt(uu(iLong,iLat)**2 + vv(iLong,iLat)**2)*

WDIR = mod(180.+atan2d(UU(iLong,iLat),VV(iLong,iLat)),360.)