

SOLAR OUTAGE RISK 2021

Late Season Group

Greenwich Mean Time (GMT)

G-15, 133.00W

Standard antenna beamwidth at 4.0 GHz

Site 1

USA-Boston-MA, 42.35N, 71.07W, EL=11.91, AZ=250.24, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	21:01:55	21:03:58	21:06:00	Low	1.0323
Oct 6	20:59:51	21:03:40	21:07:30	Medium	0.6501
Oct 7	20:58:53	21:03:24	21:07:54	High	0.2692
Oct 8	20:58:31	21:03:07	21:07:44	High	0.1105
Oct 9	20:58:40	21:02:52	21:07:04	High	0.4888
Oct 10	20:59:33	21:02:36	21:05:40	Low	0.8655

Site 2

USA-Miami-FL, 25.77N, 80.20W, EL=25.14, AZ=251.74, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Sep 30	21:06:04	21:08:45	21:11:27	Low	0.9343
Oct 1	21:04:23	21:08:26	21:12:29	High	0.5470
Oct 2	21:03:33	21:08:07	21:12:41	High	0.1603
Oct 3	21:03:17	21:07:48	21:12:20	High	0.2256
Oct 4	21:03:36	21:07:30	21:11:25	Medium	0.6107
Oct 5	21:04:53	21:07:12	21:09:31	Low	0.9948

Site 3

USA-New York-NY, 40.63N, 74.00W, EL=14.65, AZ=248.63, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	21:01:05	21:04:05	21:07:05	Low	0.8754
Oct 6	20:59:37	21:03:48	21:07:59	High	0.4922
Oct 7	20:58:55	21:03:31	21:08:08	High	0.1109
Oct 8	20:58:44	21:03:15	21:07:45	High	0.2692
Oct 9	20:59:09	21:02:59	21:06:48	Medium	0.6479

Oct 10	21:00:37	21:02:43	21:04:49	Low	1.0250
--------	----------	----------	----------	-----	--------

Site 4

USA-Detroit-MI, 42.33N, 83.05W, EL=20.28, AZ=240.49, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 6	20:57:39	21:01:01	21:04:22	Low	0.7908
Oct 7	20:56:24	21:00:44	21:05:03	High	0.4092
Oct 8	20:55:49	21:00:27	21:05:05	High	0.0288
Oct 9	20:55:46	21:00:11	21:04:36	High	0.3502
Oct 10	20:56:20	20:59:55	21:03:30	Medium	0.7276
Oct 11	20:58:22	20:59:40	21:00:58	Low	1.1035

Site 5

USA-Chicago-IL, 41.85N, 87.65W, EL=23.63, AZ=236.61, TZ=-6.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 6	20:56:28	20:59:50	21:03:13	Low	0.7857
Oct 7	20:55:13	20:59:33	21:03:53	High	0.4039
Oct 8	20:54:39	20:59:16	21:03:54	High	0.0235
Oct 9	20:54:36	20:59:00	21:03:24	High	0.3556
Oct 10	20:55:10	20:58:44	21:02:19	Medium	0.7332
Oct 11	20:57:16	20:58:29	20:59:43	Low	1.1092

Site 6

USA-Denver-CO, 39.73N, 105.00W, EL=35.72, AZ=219.76, TZ=-7.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	20:52:36	20:54:10	20:55:44	Low	1.0819
Oct 6	20:50:12	20:53:52	20:57:33	Medium	0.6989
Oct 7	20:49:09	20:53:35	20:58:02	High	0.3169
Oct 8	20:48:41	20:53:18	20:57:56	High	0.0637
Oct 9	20:48:46	20:53:02	20:57:18	High	0.4430
Oct 10	20:49:32	20:52:46	20:56:01	Low	0.8207

Site 7

USA-LosAngeles-CA, 34.05N, 118.25W, EL=47.38, AZ=205.18, TZ=-8.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 4	20:45:38	20:48:50	20:52:03	Low	0.8262
Oct 5	20:44:16	20:48:32	20:52:48	High	0.4421
Oct 6	20:43:38	20:48:15	20:52:51	High	0.0589
Oct 7	20:43:31	20:47:57	20:52:24	High	0.3231
Oct 8	20:44:01	20:47:41	20:51:20	Medium	0.7038
Oct 9	20:45:51	20:47:24	20:48:58	Low	1.0831

Site 8

USA-Seattle-WA, 47.60N, 122.33W, EL=34.34, AZ=194.31, TZ=-8.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 8	20:41:09	20:44:10	20:47:11	Low	0.8733
Oct 9	20:39:43	20:43:54	20:48:05	High	0.4941
Oct 10	20:39:01	20:43:38	20:48:14	High	0.1164
Oct 11	20:38:51	20:43:22	20:47:53	High	0.2598
Oct 12	20:39:15	20:43:07	20:47:00	Medium	0.6342
Oct 13	20:40:39	20:42:53	20:45:08	Low	1.0069

Site 9

USA-Honolulu-HW, 21.30N, 157.87W, EL=52.42, AZ=128.08, TZ=-10.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Sep 29	20:23:28	20:26:31	20:29:35	Low	0.8590
Sep 30	20:21:59	20:26:12	20:30:24	High	0.4711
Oct 1	20:21:17	20:25:52	20:30:28	High	0.0837
Oct 2	20:21:06	20:25:33	20:30:00	High	0.3031
Oct 3	20:21:33	20:25:14	20:28:56	Medium	0.6892
Oct 4	20:23:17	20:24:56	20:26:35	Low	1.0744

Site 10

USA-Anchorage-AK, 61.22N, 149.92W, EL=19.25, AZ=160.86, TZ=-9.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 11	20:29:55	20:33:21	20:36:46	Low	0.7751
Oct 12	20:28:44	20:33:06	20:37:27	High	0.4012
Oct 13	20:28:12	20:32:51	20:37:30	High	0.0291
Oct 14	20:28:11	20:32:37	20:37:03	High	0.3411
Oct 15	20:28:44	20:32:24	20:36:03	Medium	0.7092
Oct 16	20:30:32	20:32:11	20:33:50	Low	1.0751