

SOLAR OUTAGE RISK 2021

Late Season Group

Greenwich Mean Time (GMT)

G-13, 127.00W

Standard antenna beamwidth at 4.0 GHz

Site 1

USA-Boston-MA, 42.35N, 71.07W, EL=16.15, AZ=245.51, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	20:37:37	20:38:47	20:39:57	Low	1.1130
Oct 6	20:34:55	20:38:29	20:42:04	Medium	0.7304
Oct 7	20:33:48	20:38:12	20:42:37	High	0.3490
Oct 8	20:33:18	20:37:56	20:42:34	High	0.0311
Oct 9	20:33:20	20:37:40	20:42:00	High	0.4099
Oct 10	20:34:02	20:37:24	20:40:47	Low	0.7871

Site 2

USA-Miami-FL, 25.77N, 80.20W, EL=30.59, AZ=247.79, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Sep 30	20:40:28	20:42:47	20:45:06	Low	0.9944
Oct 1	20:38:33	20:42:28	20:46:22	Medium	0.6070
Oct 2	20:37:37	20:42:09	20:46:40	High	0.2203
Oct 3	20:37:16	20:41:50	20:46:24	High	0.1657
Oct 4	20:37:29	20:41:32	20:45:35	High	0.5508
Oct 5	20:38:32	20:41:14	20:43:55	Low	0.9350

Site 3

USA-New York-NY, 40.63N, 74.00W, EL=18.99, AZ=243.86, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	20:36:07	20:38:43	20:41:19	Low	0.9517
Oct 6	20:34:25	20:38:26	20:42:27	Medium	0.5690
Oct 7	20:33:35	20:38:09	20:42:43	High	0.1873
Oct 8	20:33:18	20:37:52	20:42:26	High	0.1930
Oct 9	20:33:35	20:37:36	20:41:37	Medium	0.5719

Oct 10	20:34:43	20:37:20	20:39:57	Low	0.9494
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Site 4

USA-Detroit-MI, 42.33N, 83.05W, EL=24.25, AZ=235.06, TZ=-5.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 6	20:32:10	20:35:14	20:38:18	Low	0.8603
Oct 7	20:30:45	20:34:57	20:39:09	High	0.4786
Oct 8	20:30:04	20:34:40	20:39:17	High	0.0981
Oct 9	20:29:55	20:34:24	20:38:54	High	0.2810
Oct 10	20:30:21	20:34:08	20:37:56	Medium	0.6587
Oct 11	20:31:52	20:33:53	20:35:55	Low	1.0347

Site 5

USA-Chicago-IL, 41.85N, 87.65W, EL=27.48, AZ=230.87, TZ=-6.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 6	20:30:44	20:33:50	20:36:57	Low	0.8513
Oct 7	20:29:20	20:33:33	20:37:47	High	0.4695
Oct 8	20:28:40	20:33:17	20:37:53	High	0.0889
Oct 9	20:28:32	20:33:00	20:37:29	High	0.2903
Oct 10	20:28:58	20:32:45	20:36:31	Medium	0.6680
Oct 11	20:30:33	20:32:29	20:34:26	Low	1.0441

Site 6

USA-Denver-CO, 39.73N, 105.00W, EL=38.71, AZ=212.30, TZ=-7.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 5	20:26:31	20:27:25	20:28:20	Low	1.1279
Oct 6	20:23:36	20:27:08	20:30:39	Medium	0.7448
Oct 7	20:22:27	20:26:50	20:31:14	High	0.3628
Oct 8	20:21:56	20:26:34	20:31:11	High	0.0179
Oct 9	20:21:57	20:26:17	20:30:38	High	0.3972
Oct 10	20:22:36	20:26:01	20:29:27	Low	0.7750

Site 7

USA-LosAngeles-CA, 34.05N, 118.25W, EL=49.32, AZ=195.37, TZ=-8.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 4	20:18:24	20:21:30	20:24:36	Low	0.8524
Oct 5	20:16:59	20:21:12	20:25:25	High	0.4682
Oct 6	20:16:18	20:20:55	20:25:31	High	0.0850
Oct 7	20:16:10	20:20:38	20:25:05	High	0.2970
Oct 8	20:16:37	20:20:21	20:24:05	Medium	0.6777
Oct 9	20:18:15	20:20:05	20:21:54	Low	1.0571

Site 8

USA-Seattle-WA, 47.60N, 122.33W, EL=35.13, AZ=186.31, TZ=-8.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 8	20:14:33	20:17:29	20:20:24	Low	0.8927
Oct 9	20:13:04	20:17:12	20:21:21	High	0.5134
Oct 10	20:12:20	20:16:56	20:21:32	High	0.1357
Oct 11	20:12:09	20:16:41	20:21:13	High	0.2405
Oct 12	20:12:31	20:16:26	20:20:21	Medium	0.6150
Oct 13	20:13:49	20:16:12	20:18:34	Low	0.9877

Site 9

USA-Honolulu-HW, 21.30N, 157.87W, EL=47.21, AZ=121.29, TZ=-10.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Sep 29	19:56:06	19:59:16	20:02:26	Low	0.8346
Sep 30	19:54:41	19:58:56	20:03:11	High	0.4467
Oct 1	19:54:01	19:58:37	20:03:13	High	0.0593
Oct 2	19:53:53	19:58:18	20:02:43	High	0.3275
Oct 3	19:54:22	19:57:59	20:01:36	Medium	0.7136
Oct 4	19:56:19	19:57:41	19:59:02	Low	1.0988

Site 10

USA-Anchorage-AK, 61.22N, 149.92W, EL=18.09, AZ=154.25, TZ=-9.00, D=4.50

Date	Begin	Peak	End	Depth	Closest(deg)
Oct 11	20:04:07	20:07:36	20:11:06	Low	0.7575
Oct 12	20:02:58	20:07:21	20:11:44	High	0.3836
Oct 13	20:02:28	20:07:06	20:11:45	High	0.0116
Oct 14	20:02:28	20:06:52	20:11:17	High	0.3585
Oct 15	20:03:03	20:06:39	20:10:15	Medium	0.7266
Oct 16	20:04:59	20:06:26	20:07:53	Low	1.0925