

SOLAR OUTAGE RISK 2022

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 6	20:35:20	20:38:35	20:41:49	Low	0.8214
Oct 7	20:34:01	20:38:17	20:42:34	High	0.4400
Oct 8	20:33:23	20:38:01	20:42:38	High	0.0598
Oct 9	20:33:17	20:37:44	20:42:11	High	0.3190
Oct 10	20:33:47	20:37:28	20:41:10	Medium	0.6963
Oct 11	20:35:32	20:37:13	20:38:54	Low	1.0721

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	20:41:22	20:42:53	20:44:24	Low	1.0857
Oct 1	20:38:54	20:42:34	20:46:13	Medium	0.6983
Oct 2	20:37:48	20:42:14	20:46:41	High	0.3115
Oct 3	20:37:19	20:41:56	20:46:32	High	0.0745
Oct 4	20:37:23	20:41:37	20:45:51	High	0.4597
Oct 5	20:38:11	20:41:19	20:44:27	Low	0.8439

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	20:36:51	20:38:48	20:40:45	Low	1.0428
Oct 6	20:34:43	20:38:31	20:42:18	Medium	0.6600
Oct 7	20:33:44	20:38:13	20:42:43	High	0.2784
Oct 8	20:33:20	20:37:57	20:42:33	High	0.1020
Oct 9	20:33:28	20:37:40	20:41:53	High	0.4810

Oct 10	20:34:19	20:37:24	20:40:29	Low	0.8586
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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	20:32:43	20:35:19	20:37:55	Low	0.9514
Oct 7	20:31:01	20:35:02	20:39:03	Medium	0.5696
Oct 8	20:30:11	20:34:45	20:39:19	High	0.1891
Oct 9	20:29:54	20:34:28	20:39:02	High	0.1901
Oct 10	20:30:11	20:34:12	20:38:14	Medium	0.5678
Oct 11	20:31:18	20:33:57	20:36:36	Low	0.9440

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	20:31:16	20:33:55	20:36:34	Low	0.9424
Oct 7	20:29:36	20:33:38	20:37:40	Medium	0.5606
Oct 8	20:28:47	20:33:21	20:37:55	High	0.1800
Oct 9	20:28:31	20:33:05	20:37:38	High	0.1993
Oct 10	20:28:48	20:32:48	20:36:49	Medium	0.5771
Oct 11	20:29:57	20:32:33	20:35:08	Low	0.9533

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 6	20:24:02	20:27:12	20:30:23	Low	0.8359
Oct 7	20:22:40	20:26:55	20:31:10	High	0.4539
Oct 8	20:22:01	20:26:38	20:31:15	High	0.0732
Oct 9	20:21:54	20:26:21	20:30:49	High	0.3062
Oct 10	20:22:22	20:26:05	20:29:48	Medium	0.6841
Oct 11	20:24:02	20:25:50	20:27:37	Low	1.0605

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	20:18:58	20:21:36	20:24:14	Low	0.9435
Oct 5	20:17:16	20:21:18	20:25:20	Medium	0.5593
Oct 6	20:16:26	20:21:00	20:25:34	High	0.1761
Oct 7	20:16:10	20:20:42	20:25:15	High	0.2059
Oct 8	20:16:27	20:20:25	20:24:24	Medium	0.5867
Oct 9	20:17:38	20:20:09	20:22:39	Low	0.9661

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	20:15:09	20:17:33	20:19:57	Low	0.9838
Oct 9	20:13:20	20:17:17	20:21:13	Medium	0.6044
Oct 10	20:12:28	20:17:01	20:21:33	High	0.2266
Oct 11	20:12:09	20:16:45	20:21:21	High	0.1498
Oct 12	20:12:22	20:16:30	20:20:37	High	0.5245
Oct 13	20:13:21	20:16:15	20:19:09	Low	0.8974

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	19:56:38	19:59:22	20:02:06	Low	0.9262
Sep 30	19:54:58	19:59:02	20:03:06	High	0.5381
Oct 1	19:54:09	19:58:43	20:03:17	High	0.1506
Oct 2	19:53:53	19:58:24	20:02:54	High	0.2363
Oct 3	19:54:12	19:58:05	20:01:57	Medium	0.6224
Oct 4	19:55:33	19:57:46	19:59:59	Low	1.0076

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	20:04:31	20:07:39	20:10:47	Low	0.8481
Oct 12	20:03:10	20:07:24	20:11:38	High	0.4740
Oct 13	20:02:32	20:07:09	20:11:47	High	0.1017
Oct 14	20:02:24	20:06:55	20:11:26	High	0.2687
Oct 15	20:02:49	20:06:42	20:10:34	Medium	0.6372
Oct 16	20:04:12	20:06:28	20:08:45	Low	1.0037