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Field Day Satellite Passes

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To: Jeff Greer <jgreer@kvh.com>, John King <wa1abi@cox.net>, Dan Barstow <dbarstow@iss-casis.org>

Guys:

Either Jeff Greer or I will supply the satellite gear this year -- we are still determining that. Jeff's stuff is a full-blown Az/El antenna array, very effective, but more complicated to install and operate. I just use a fixed crossed beam pointed at the peak Azimuth and about 2/3 the peak elevation.

Guidelines (not rules):

- 1) FM Satellites (SO-50, and AO-85) are VERY BUSY, so it's hard to make a contact through either of them.
- 2) As always CW is our friend, but you will have luck on the linear birds with SSB -- signals will be weaker
- 3) I try to work a single contact as soon as I can to get the 100 point bonus. All other contacts are worth a single point.
- 4) I try to avoid working in the dark
- 5) Some suggestions for each of the birds are highlighted in red.

You can find the list of Field Day Satellite Passes below and at the following URL:

<http://wb4son.com/wpblog/?p=2359>

Satellite	AOS	LOS	Duration	Peak AZ	Peak EL
AO-07	6/25/2016 1:56:18 PM	2:16:55 PM	00:20:37	55.1°	28.1°
FO-29	6/25/2016 2:00:21 PM	2:19:27 PM	00:19:06	267.9°	25.1°
AO-07	6/25/2016 3:47:08 PM	4:10:16 PM	00:23:08	254.6°	72.5°
SO-50	6/25/2016 4:18:03 PM	4:32:33 PM	00:14:30	115.5°	39.7°
XW-2C	6/25/2016 5:38:05 PM	5:49:40 PM	00:11:35	71.0°	30.3°
XW-2A	6/25/2016 5:40:31 PM	5:49:34 PM	00:09:03	65.2°	11.3°
AO-07	6/25/2016 5:44:01 PM	6:01:39 PM	00:17:38	272.7°	12.9°
SO-50	6/25/2016 5:58:44 PM	6:13:01 PM	00:14:17	313.7°	29.5°
XW-2F	6/25/2016 6:23:13 PM	6:35:21 PM	00:12:08	257.5°	70.8°
XW-2A	6/25/2016 7:12:01 PM	7:23:04 PM	00:11:03	260.6°	40.5°
XW-2C	6/25/2016 7:12:46 PM	7:23:36 PM	00:10:50	267.4°	17.4°
AO-73	6/25/2016 8:22:23 PM	8:34:21 PM	00:11:58	66.9°	21.7°
AO-85	6/25/2016 9:47:58 PM	10:03:26 PM	00:15:28	115.6°	38.5°

A0-73	6/25/2016	9:58:06 PM	10:10:49 PM	00:12:43	263.8°	31.5°
A0-85	6/25/2016	11:28:30 PM	11:43:55 PM	00:15:25	312.2°	34.8°
S0-50	6/26/2016	12:49:19 AM	1:03:17 AM	00:13:58	48.7°	37.1°
FO-29	6/26/2016	1:09:54 AM	1:26:12 AM	00:16:18	98.0°	51.8°
S0-50	6/26/2016	2:30:02 AM	2:43:13 AM	00:13:11	247.3°	26.0°
FO-29	6/26/2016	2:55:27 AM	3:10:06 AM	00:14:39	299.9°	21.7°
A0-07	6/26/2016	3:48:30 AM	4:10:48 AM	00:22:18	99.1°	39.0°
A0-07	6/26/2016	5:41:21 AM	6:03:47 AM	00:22:26	296.6°	49.4°
XW-2F	6/26/2016	5:56:13 AM	6:06:20 AM	00:10:07	90.8°	11.9°
A0-85	6/26/2016	6:20:06 AM	6:33:26 AM	00:13:20	47.5°	30.9°
XW-2A	6/26/2016	6:35:01 AM	6:44:09 AM	00:09:08	91.5°	10.9°
XW-2C	6/26/2016	6:44:25 AM	6:56:39 AM	00:12:14	97.8°	44.8°
XW-2F	6/26/2016	7:29:40 AM	7:41:51 AM	00:12:11	285.4°	47.5°
A0-07	6/26/2016	7:35:14 AM	7:51:28 AM	00:16:14	319.0°	11.6°
A0-85	6/26/2016	8:00:48 AM	8:13:32 AM	00:12:44	247.2°	28.3°
XW-2A	6/26/2016	8:07:11 AM	8:18:06 AM	00:10:55	287.2°	38.1°
XW-2C	6/26/2016	8:19:16 AM	8:29:32 AM	00:10:16	294.6°	13.7°
A0-73	6/26/2016	9:45:03 AM	9:58:55 AM	00:13:52	98.5°	45.4°
FO-29	6/26/2016	11:20:23 AM	11:39:19 AM	00:18:56	64.2°	30.4°
A0-73	6/26/2016	11:21:46 AM	11:34:01 AM	00:12:15	294.3°	18.6°
A0-07	6/26/2016	12:59:35 PM	1:16:24 PM	00:16:49	42.9°	12.9°
FO-29	6/26/2016	1:04:03 PM	1:24:52 PM	00:20:49	259.9°	58.9°

(It certainly is possible to work FO-29 right away. That is a very popular bird for both SSB and CW).

73, Bob, WB4SON