

SB PROP @ ARL \$ARLP047
ARLP047 Propagation de K7RA

ZCZC AP47
QST de W1AW
Propagation Forecast Bulletin 47 ARLP047
>From Tad Cook, K7RA
Seattle, WA November 21, 2014
To all radio amateurs

SB PROP ARL ARLP047
ARLP047 Propagation de K7RA

Average daily sunspot numbers rose this past week nearly 14 points to 98.9, while average daily solar flux increased 25 points to 164.4.

Predicted solar flux is 170 on November 21, 175 on November 22-23, then 170, 155 and 150 on November 24-26, then 145, 130 and 120 on November 27-29, 115 on November 30 through December 6, 135 and 155 on December 7-8, 165 on December 9-10, and 160 on December 11-15. Solar flux peaks at 170 on December 17-19 and declines to 115 on December 27-31.

Predicted planetary A index is 12 on November 21, 10 on November 22, 12 on November 23-24, 8 on November 25, 5 on November 26 through December 3, 12, 10 and 8 on December 4-6, 5 on December 7-10, and 10, 15, 20, 15, 12, 10, 8, 10 and 12 on December 11-19.

Petr Kolman, OK1MGW sends a geomagnetic forecast this week from the Czech Republic. He predicts the geomagnetic field will be quiet to unsettled November 21-23, mostly quiet November 24, quiet November 25-26, mostly quiet November 27-29, quiet to unsettled November 30, active to disturbed December 1, quiet to active December 2, quiet to unsettled December 3-4, mostly quiet December 5, quiet to active December 6-7, quiet to unsettled December 8, mostly quiet December 9-10, quiet to unsettled December 11, quiet to active December 12-13, quiet to unsettled December 14-15, and quiet to active December 16-17.

Petr expects an increase in solar wind on November 30 through December 2 and December 11-13.

David Moore sent this article with time-lapse video of that huge sunspot:

http://www.huffingtonpost.com/2014/11/11/sunspot-time-lapse-ar-2192_n_6137490.html

Jon Jones N0JK reported that on November 10, Mike White, K7ULS in Utah worked KH6U and KH6/K6MIO on 6 meters via F2 propagation using a ground mounted Ringo Ranger vertical. But take a look at <http://www.qrz.com/db/k7uls> . There is a nice photo of that antenna, which is 8,000 feet above sea level! Mike is running 100 watts, and told me both contacts were on SSB.

Yet another article and video about mammoth sunspots is in Phil Plait's Bad Astronomy blog at, http://www.slate.com/blogs/bad_astronomy/2014/11/16/sdo_and_sunspot_2192_amazing_hi_def_video.html

If you would like to make a comment or have a tip for our readers, email the author at, k7ra@arrl.net.

For more information concerning radio propagation, see the ARRL Technical Information Service web page at, <http://arrl.org/propagation-of-rf-signals>. For an explanation of the numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>. An archive of past propagation bulletins is at

<http://arrl.org/w1aw-bulletins-archive-propagation>. More good information and tutorials on propagation are at <http://k9la.us/>.

Monthly propagation charts between four USA regions and twelve overseas locations are at <http://arrl.org/propagation>.

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrl.org/bulletins>.

Sunspot numbers for November 13 through 19 were 104, 117, 100, 91, 95, 92, and 72, with a mean of 98.9. 10.7 cm flux was 153.5, 161, 160.6, 171.5, 167.5, 167.4, and 169.6, with a mean of 164.4.

Estimated planetary A indices were 5, 12, 17, 22, 12, 11, and 8, with a mean of 12.4. Estimated mid-latitude A indices were 4, 9, 13, 18, 8, 9, and 6, with a mean of 9.6.

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22 November 2014

A.R.I. DX Bulletin

No 1229

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*** 4 2 5 D X N E W S ***
***** CALENDAR *****

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Edited by I1JQJ & IK1ADH
Direttore Responsabile I2VGV

PERIOD	CALL	REF	
till 22/11	YB8RW/p and YB8OUN/p: Banggai Islands (OC-208)	1228	
till 23/11	CO0SS: special station	1228	
till 23/11	FK/JA0JHQ: New Caledonia (OC-032)	1227	
till 23/11	HI2DX: Isla Saona (NA-122)	1213	
till 23/11	JA3HBF/5, JA3KGF/5, JA3FGJ/5: Shodo (AS-200)	1228	
till 23/11	PW2BA: Ilha do Bom Abrigo (SA-024)	1228	
till 23/11	YC8ROP/p, YC8RBI/p, YB8SX/p: Siau Island (OC-210)	1228	
till 23/11	YC8TDK/p and YC8UVH/p: Siau Island (OC-210)	1228	
till 23/11	ZX2CA: Ilha do Cardoso	1228	
till 24/11	3B9HA: Rodrigues Island (AF-017)	1224	
till 24/11	FO4BM/p, FO8AA/p: Mangareva (OC-063), French Polynesia	1227	
till 24/11	W7O: special callsign	1228	
till 25/11	W1AW/4: Florida	1228	
till 25/11	W1AW/5: Arkansas	1228	
till 26/11	RI59ANT: Bellingshausen Station, So. Shetlands	1191	
till 27/11	4S7DLG: Sri Lanka	1229	
till 27/11	YB9/DL7UVO and YB9/DL3KZA: Flores Island (OC-151)	1228	
till 28/11	3B8JB and 3B8HB: Mauritius (AF-049)	1228	
till 30/11	7V60R, 7V7V, 7W9A, 7Y9A: special event stations	1226	
till 30/11	GA, MA, 2A: special prefixes (Scotland)	1184	
till 30/11	LZ1164SIM: special callsign	1184	
till 30/11	S79VR: Seychelles (AF-024)	1209	
till 30/11	VU4KV: Andaman Islands (AS-001)	1229	

till 30/11	YL2014 special callsigns	1191	
till 30/11	ZW75PSO: special callsign	1226	
till 01/12	PJ4/W4PA, PJ4/WF7T, PJ4/S53R: Bonaire (SA-006)		1228
till 01/12	V47NT and V47T: St Kitts (NA-104)	1227	
till 01/12	ZD8JR: Ascension Island (AF-003)	1228	
till 02/12	FS/K9EL: St Martin (NA-105)	1227	
till 02/12	J79CR: Dominica (NA-101)	1229	
till 02/12	ZD8O: Ascension Island (AF-003)	1227	
till 03/12	5X1XA: Uganda	1229	
till 05/12	D44KS: Boa Vista (AF-086), Cape Verde		1227
till 05/12	J6/DL7VOG: St. Lucia (NA-108)	1225	
till 05/12	XT2AW: Burkina Faso	1227	
till 09/12	AT1JCB: special callsign	1227	
till 09/12	AU2JCB: special callsign	1229	
till 12/12	5R8IC: Sainte-Marie Island (AF-090)	1225	
till 12/12	VP8KF: Falkland Islands (SA-002)	1229	
till 14/12	PD6SINT: special station	1228	
till 26/12	PJ2/PA0VDV: Curacao (SA-099)	1227	
till 31/12	CW30A and CV3D: special callsigns	1183	
till 31/12	DB50FIRAC: special event callsign	1182	
till 31/12	DJ60DXMB: special callsign	1184	
till 31/12	DL60JMZ: special event callsign	1182	
till 31/12	DQ25GRENZE: special callsign	1184	
till 31/12	EI1100WD: special callsign	1214	
till 31/12	II4CDN: special callsign	1221	
till 31/12	IY1EY: special event station	1225	
till 31/12	LM1814: special event callsign	1182	
till 31/12	OM44LTE: special callsign	1190	
till 31/12	S567O: special callsign	1185	
till 31/12	TC10SWAT: special callsign	1188	
till 31/12	W100AW: ARRL's centennial special callsign		1179
till 31/12	YT0PUPIN: special callsign	1183	
till December	D2SG: Angola	1184	
till 05/01/2015	S507SLG and S507PMC: special stations		1228
till 31/01/2015	D8A: Jang Bogo Station, Antarctica	1186	
till 01/02/2015	RI1ANC: Vostok Station, Antarctica	1173	
till 28/02/2015	JW/JA3IPL: Spitsbergen (EU-026)	1226	
till Feb 2015	DP0GVN: Neumayer III Station (Antarctica)		1180
till Feb 2015	RI1ANT: Mirny Station, Antarctica	1173	
till 05/03/2015	J79XBI: Dominica (NA-101)	1226	
till 16/03/2015	TK/G4BKI: Corsica (EU-014)	1219	
till Mar 2015	CE9OJZ: South Shetland Islands (AN-010)		1203
till Mar 2015	RI1ANR: Antarctica	1226	
till 10/04-2015	4S7KKG: Sri Lanka	1227	
till Jul 2015	4U20B: special callsign (Italy)	1212	
till 20/09/2015	YO555BU, YP555BU, YQ555BU, YR555BU: special stations		1224
22/11-25/11	JI3DST/5 and JS6RRR/5: Shodo (AS-200)	1229	
22/11-30/11	VP2EIM, VP2ERJ, VP2EWX: Anguilla (NA-022)		1227
22/11-04/12	8Q7DV: Maldives (AS-013)	1227	
22/11-06/12	HC2ANT/8, HC2AO/8, HC2OGT/8: Galapagos (SA-004)		1229
22/11-06/12	HC2RAT/8 and HC2RCT/8: Galapagos (SA-004)		1229
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22/11-06/12	TM55BM: special callsign (France)	1229	
23/11-28/11	CE0Y/PG5M: Easter Island (SA-001)	1228	
23/11-01/12	TA0/LZ1CNN, TA0/LZ1DCW, TA0/LZ1MBU: Bozcaada (AS-099)		1227
23/11-01/12	TA0/LZ1NK, TA0/LZ2UW, TA0/LZ3FN: Bozcaada (AS-099)		1227
23/11-01/12	TA0/LZ3ND, TA0/LZ3YY, TA2TX/0, TA3D/0: Bozcaada (AS-099)		1227
23/11-01/12	VP2EAQ and VP2EAR: Anguilla (NA-022)		1228
23/11-02/12	CE0Z/CE5WQO: Juan Fernandez (SA-005)	1227	
23/11-03/12	C6ADX and C6AYL: Exuma (NA-001), Bahamas		1229
24/11-01/12	FM/UT5UGR and TO7A: Martinique (NA-107)		1227
24/11-23/11/2015	4A5XX: special callsign	1229	
25/11-01/12	KH8B: Pago Pago (OC-045), American Samoa		1227
25/11-02/12	PJ4/K2SX and PJ4/K4BAI: Bonaire (SA-006)		1228
25/11-02/12	PJ4/KU8E and PJ4/W2LK: Bonaire (SA-006)		1228
25/11-02/12	PJ4S: Bonaire (SA-006)	1228	
25/11-03/12	P40W: Aruba (SA-036)	1229	
25/11-03/12	PZ5AV: Suriname	1229	
25/11-03/12	YN2CC: Nicaragua	1227	
25/11-06/12	E51RAT: Rarotonga (OC-013), South Cook Islands		1229

25/11-24/12	3W3O: Vietnam	1229	
26/11-01/12	9Y4/VE3EY: Trinidad (SA-011)	1229	
26/11-01/12	T88WX: Koror Island (OC-009), Palau	1229	
26/11-01/12	VP2MDX, VP2MFD, VP2MKC, VP2MXU: Montserrat (NA-103)	1229	
26/11-02/12	4K0CW: Azerbaijan	1227	
26/11-02/12	6W1RW: Senegal	1229	
26/11-02/12	OX3LX: Disko Island (NA-134)	1227	
26/11-02/12	V4/WJ2O: St. Kitts (NA-104)	1228	
26/11-02/12	W1AW/3: Delaware	1229	
26/11-02/12	W1AW/5: Louisiana	1229	
26/11-02/12	W1AW/KP4: Puerto Rico	1229	
26/11-03/12	V5/DK9IP and V55V: Namibia	1229	
26/11-03/12	V73TM and V73XP: Arno (OC-029), Marshall Islands	1229	
26/11-04/12	5K0A: San Andres Island (NA-033)	1228	
26/11-17/12	6Y6N: Jamaica (NA-097)	1229	
27/11-01/12	9H3OG and 9H3TX: Malta (EU-023)	1229	
27/11-01/12	V26K: Antigua (NA-100)	1229	
27/11-01/12	ZF2EE: Cayman Islands (NA-016)	1229	
28/11-02/12	3B9JB and 3B9HB: Rodrigues (AF-017)	1228	
28/11-04/12	V63DX, V63ZP, V6A: Pohnpei (OC-010), Micronesia	1219	
29/11-30/11	9M6NA: Labuan Island (OC-133), East Malaysia	1227	
29/11-30/11	IIOC: Sardinia (EU-024)	1229	
29/11-30/11	TC0A: Bozcaada (AS-099)	1227	
29/11-30/11	TX8C: Noumea (OC-032), New Caledonia	1229	
30/11-02/12	VP8SGK: South Georgia (AN-007)	1227	
November	JG8NQJ/JD1: Minami Torishima (OC-073)	1222	
November	ZD9A: Gough Island (AF-030)	1229	
01/12-06/12	E6XG: Niue (OC-040)	1209	
01/12-31/12	LZ1748SMH: special callsign	1184	
02/12-09/12	PJ2/DL1NX: Curacao (SA-099)	1228	
03/12-06/12	T88ER: Koror Island (OC-009), Palau	1229	
06/12-30/05/2015	JW9JKA: Bear Island (EU-027), Svalbard	1227	
07/12-10/12	5T0ITU: special callsign (Mauritania)	1219	
22/12-02/01/2015	JD1BOI and JD1BON: Chichijima (AS-031), Ogasawara	1229	
27/12-28/12	WW1USA: special event station	1212	
27/12-04/01/2015	J13DST/6: Kuchino Island (AS-049)	1229	
28/12-04/01/2015	W2HRU: special event station (NA-026)	1229	
December	C6ATS: Bahamas tour (NA-001, NA-113, NA-054, NA-048)	1227	
December	DP1POL: Neumayer III Station Antarctica	1229	
December	JG8NQJ/JD1: Minami Torishima (OC-073)	1222	
01/01-04/02/2015	9M2MRS: Penang Island (AS-015), West Malaysia	1221	
05/01-11/01/2015	TX5W: Raivavae (OC-114), Austral Islands	1225	
15/01-31/01/2015	EP6T: Kish Island (AS-166)	1227	
16/01-26/01/2015	C5X: The Gambia	1227	
January 2015	C6ATS: Bahamas tour (NA-001, NA-113, NA-054, NA-048)	1227	
January 2015	DP1POL: Neumayer III Station Antarctica	1229	
January 2015	K1N: Navassa Island (NA-098)	1226	
16/02-23/02/2015	TI9A: Cocos Island (NA-012)	1229	
February 2015	C6ATS: Bahamas tour (NA-001, NA-113, NA-054, NA-048)	1227	
February 2015	DP1POL: Neumayer III Station Antarctica	1229	
11/03-01/04/2015	7QAA: Malawi	1216	
March 2015	C6ATS: Bahamas tour (NA-001, NA-113, NA-054, NA-048)	1227	
13/04-21/04/2015	J88PI: Palm Island (NA-025)	1229	
April 2015	C6ATS: Bahamas tour (NA-001, NA-113, NA-054, NA-048)	1227	
November 2015	VK0EK: Heard Island	1224	

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