

Sylvie F1PSH

De: jjreisert@alum.mit.edu
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À: DX-News@njdx.org
Objet: [DX-NEWS] ARLP041 Propagation de K7RA

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ARLP041 Propagation de K7RA

ZCZC AP41
QST de W1AW
Propagation Forecast Bulletin 41 ARLP041
>From Tad Cook, K7RA
Seattle, WA October 11, 2013
To all radio amateurs

SB PROP ARL ARLP041
ARLP041 Propagation de K7RA

Solar activity picked up over the seven days of our reporting week, October 3-9, and the outlook has improved somewhat. There now are no predictions for the solar flux dropping below 100 in the next 45 days. October 6 was the date of the last forecast predicting any flux values below 100. These predictions were for periods later in October and again in November.

Average daily sunspot numbers increased by 47 points to 79, and average daily solar flux increased 3.8 points to 110.4. These averages compare the recent October 3-9 period with the previous seven days, September 26 through October 2.

The latest prediction for solar flux is 125 on October 11-13, 120 on October 14-16, 115 on October 17, 105 on October 18-23, 100 on October 24-29, 105 on October 30-31, 100 on November 1-2, 105 on November 3-4, 100 on November 5-6, and 105 on November 7-15.

Predicted planetary A index is 10 on October 11-12, 5 on October 13, 8 on October 14-15, 10 on October 16, 8 on October 17, 5 on October 18-20, 10 on October 21, 5 on October 22 to November 6, 10 on November 7-8, and 8 on November 9-12.

OK1HH predicts geomagnetic activity as quiet to unsettled October 11, mostly quiet October 12, quiet October 13, quiet to unsettled October 14-16, quiet to active October 17-18, quiet October 19-20, quiet to active October 21, mostly quiet October 22, quiet October 23-27, quiet to active October 28, and active to disturbed October 29-30.

NBC news has an article about Tuesday's solar flare, which was strong considering how quiet the Sun has been lately, but was not aimed directly at Earth. Planetary A index rose to 24 on Wednesday, October 9, and Alaska's college A index hit 40.

You can read the article at,
<http://www.nbcnews.com/science/strongest-solar-flare-months-unleashed-sun-8C11369482>

Tomas Hood, NW7US, who writes propagation columns for CQ, CQ VHF and Popular Communications, sent a video he put together concerning a solar flare mentioned in last week's Propagation Forecast Bulletin ARLP040:

<http://g.nw7us.us/19hPlc3>

Silverio, IK3IUL sent an inquiry, but replies to him seem to be bouncing. Perhaps he could try again via another email account.

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/wlaw-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 October 3 through 9 were 61, 84, 69, 53, 76, 99, and 111, with a mean of 79. 10.7 cm flux was 113.8, 109.1, 105.9, 106.5, 112, 111.9, and 113.4, with a mean of 110.4. Estimated planetary A indices were 6, 2, 1, 2, 6, 16, and 24, with a mean of 8.1. Estimated mid-latitude A indices were 5, 2, 2, 3, 8, 12, and 21, with a mean of 7.6.

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