

NOUS41 KWBC 271415
PNSWSH

Service Change Notice 11-34
National Weather Service Headquarters Washington DC
413 PM EDT Tue Sep 27 2011

TO: Subscribers:
- Family of Services
- NOAA Weather Wire Service
- Emergency Managers Weather Information Network
- NOAAPORT
Other NWS partners and NWS employees

FROM: Cynthia Abelman
Chief, Aviation Services Branch

SUBJECT: Implementation of Improved Space Weather Watch,
Warning and Alert Products Effective December 19, 2011

Effective Monday, December 19, 2011, at 1000 AM Mountain Standard Time (MST), 1700 Coordinated Universal Time (UTC), the NWS Space Weather Prediction Center (SWPC) in Boulder, Colorado, will disseminate enhanced space weather watch, warning and alert products. These products will have an additional section of information appended. This new section will list potential impacts at earth as well as expected geographical locations of the impacts for various space weather events.

The following SWPC products will be affected by this change:

AWIPS ID	WMO Header	Product Name	NOAA Scale
SWXALTXMF	WOXX01	KWNP ALERT: X-ray Flux exceeded	M5 R2-R5
SWXSUMXM5	WOXX01	KWNP SUMMARY: X-ray Event exceeded	M5 R2
SWXSUMX01	WOXX02	KWNP SUMMARY: X-ray Event exceeded	X1 R3
SWXSUMX10	WOXX02	KWNP SUMMARY: X-ray Event exceeded	X10 R4
SWXSUMX20	WOXX02	KWNP SUMMARY: X-ray Event exceeded	X20 R5
SWXWATA20	WOXX20	KWNP WATCH: Geomagnetic A-index 20 or greater predicted	G1
SWXWATA30	WOXX21	KWNP WATCH: Geomagnetic A-index 30 or greater predicted	G2
SWXWATA50	WOXX22	KWNP WATCH: Geomagnetic A-index 50 or greater predicted	G3
SWXWATA99	WOXX23	KWNP WATCH: Geomagnetic A-index 100 or greater predicted	G4-G5
SWXWARK04	WOXX13	KWNP WARNING: Geomagnetic K-index of 4 expected	
SWXWARK05	WOXX11	KWNP WARNING: Geomagnetic K-index of 5 expected	G1
SWXWARK06	WOXX12	KWNP WARNING: Geomagnetic K-index of 6 expected	G2
SWXWARK07	WOXX14	KWNP WARNING: Geomagnetic K-index of	G3-G5

7 or greater expected

SWXALTK04 WOXX13 KWNP ALERT: Geomagnetic K-index of 4
SWXALTK05 WOXX11 KWNP ALERT: Geomagnetic K-index of 5 G1
SWXALTK06 WOXX12 KWNP ALERT: Geomagnetic K-index of 6 G2
SWXALTK07 WOXX14 KWNP ALERT: Geomagnetic K-index of 7 G3
SWXALTK08 WOXX15 KWNP ALERT: Geomagnetic K-index of 8 G4
SWXALTK09 WOXX16 KWNP ALERT: Geomagnetic K-index of 9 G5
SWXWARPX1 WOXX32 KWNP WARNING: Proton 10MeV Integral S1-S5
Flux above 10pfu expected
SWXALTPX1 WOXX32 KWNP ALERT: Proton Event 10MeV S1
Integral Flux exceeded 10pfu
SWXALTPX2 WOXX32 KWNP ALERT: Proton Event 10MeV S2
Integral Flux exceeded 100pfu
SWXALTPX3 WOXX32 KWNP ALERT: Proton Event 10MeV S3
Integral Flux exceeded 1000pfu
SWXALTPX4 WOXX32 KWNP ALERT: Proton Event 10MeV S4
Integral Flux exceeded 10000pfu
SWXALTPX5 WOXX32 KWNP ALERT: Proton Event 10MeV S5
Integral Flux exceeded 100000pfu
SWXWARPC0 WOXX31 KWNP WARNING: Proton 100MeV
Integral Flux above 1pfu expected
SWXALTPC0 WOXX31 KWNP ALERT: Proton Event 100MeV
Integral Flux exceeded 1pfu

For more information, please contact:

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National Service Change Notices are online at:

<http://www.weather.gov/os/notif.htm>

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