

NOUS41 KWBC 272013
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, Users and 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
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SWXALTXMF	WOXX01 KWP	ALERT: X-ray Flux exceeded M5	R2-R5
SWXSUMXM5	WOXX01 KWP	SUMMARY: X-ray Event exceeded M5	R2
SWXSUMX01	WOXX02 KWP	SUMMARY: X-ray Event exceeded X1	R3
SWXSUMX10	WOXX02 KWP	SUMMARY: X-ray Event exceeded X10	R4
SWXSUMX20	WOXX02 KWP	SUMMARY: X-ray Event exceeded X20	R5
SWXWATA20	WOXX20 KWP	WATCH: Geomagnetic A-index 20 or greater predicted	G1
SWXWATA30	WOXX21 KWP	WATCH: Geomagnetic A-index 30 or greater predicted	G2
SWXWATA50	WOXX22 KWP	WATCH: Geomagnetic A-index 50 or greater predicted	G3
SWXWATA99	WOXX23 KWP	WATCH: Geomagnetic A-index 100 or greater predicted	G4-G5
SWXWARK04	WOXX13 KWP	WARNING: Geomagnetic K-index of 4 expected	
SWXWARK05	WOXX11 KWP	WARNING: Geomagnetic K-index of 5 expected	G1
SWXWARK06	WOXX12 KWP	WARNING: Geomagnetic K-index of 6 expected	G2
SWXWARK07	WOXX14 KWP	WARNING: Geomagnetic K-index of 7 or greater expected	G3-G5
SWXALTK04	WOXX13 KWP	ALERT: Geomagnetic K-index of 4	

AWIPS ID	WMO Header	Product Name	NOAA Scale
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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 Flux above 10pfu expected	S1-S5
SWXALTPX1	WOXX32 KWNP	ALERT: Proton Event 10MeV Integral Flux exceeded 10pfu	S1
SWXALTPX2	WOXX32 KWNP	ALERT: Proton Event 10MeV Integral Flux exceeded 100pfu	S2
SWXALTPX3	WOXX32 KWNP	ALERT: Proton Event 10MeV Integral Flux exceeded 1000pfu	S3
SWXALTPX4	WOXX32 KWNP	ALERT: Proton Event 10MeV Integral Flux exceeded 10000pfu	S4
SWXALTPX5	WOXX32 KWNP	ALERT: Proton Event 10MeV Integral Flux exceeded 100000pfu	S5
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:

<https://www.weather.gov/notification/archive>

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