

HFUS 1 BOU 160600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 047A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 16 FEBRUARY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.  
ONE NON-ENERGETIC SUBFLARE WAS OBSERVED IN REGION 349 (S13W55) AT  
16/0308Z. THE DISK AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN QUIET  
DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS BOU 161300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 047B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 16 FEB 1974

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL. ONE C2 X-RAY EVENT  
WAS REPORTED AT 160742 U.T. NO OPTICAL REPORTS CORRELATE WITH THIS  
EVENT. DISK FEATURES SHOW LITTLE CHANGE.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT ITS PRESENT LEVEL.

II. THE GEOMAGNETIC FIELD IS GENERALLY QUIET WITH NO CHANGE  
EXPECTED.

III. EVENT PROBABILITIES 16 - 18 FEB

CLASS M 50/40/30

CLASS X 10/05/02

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 FEB 86

PREDICTED 16 - 18 FEB 88/90/90

90-DAY MEAN 15 FEB 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 FEB 11

ESTIMATED AFR/AP 15 FEB 02/03

PREDICTED AFR/AP 16 - 18 FEB 03/04 - 04/05 - 05/06

NOTE: EFFECTIVE 17 FEB 74 THE DAILY TRANSMISSION TIME OF THIS  
MESSAGE WILL CHANGE FROM 1300Z TO 1400Z.

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 047

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z FEBRUARY 16 1974

IA. FLARE ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS, WITH ONLY CLASS C EVENTS OBSERVED. ALL OF THE EVENTS THAT HAVE PRODUCED MEASURABLE X-RAY FLUXES HAVE BEEN ASSOCIATED WITH FLARES IN ACTIVE REGION 349 (S14W71), EXCEPT FOR ONE EVENT WHICH PEAKED AT 0749 U.T., FOR WHICH NO OPTICAL CORRELATION HAS BEEN REPORTED. REGION 352 (S19E14) HAS ALSO PRODUCED TWO SUBFLARES, BUT NEITHER HAD MEASURABLE X-RAY FLUXES. THE OTHER ACTIVE CENTERS CURRENTLY VISIBLE ARE STABLE AND QUIET. THE LOWER CORONA, AT EAST LIMB, IS SOMEWHAT ENHANCED, AND IS THOUGHT TO BE ASSOCIATED WITH THE RETURN OF A NUMBER OF ACTIVE REGIONS. WEAK DEKAMETRIC CONTINUUM AND A METER-WAVELENGTH NOISE STORM HAS PERSISTED THROUGH THE DAY.

IB. GROWTH OF REGION 349 APPEARS TO HAVE SLOWED, AND REGION 352 DOES NOT APPEAR COMPLEX ENOUGH TO PRODUCE ENERGETIC FLARE ACTIVITY. FLARE ACTIVITY IS EXPECTED TO CONTINUE AT THE CURRENT RATE FOR THE NEXT 24 HOURS, AND THEN DECLINE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET EXCEPT FOR ONE UNSETTLED PERIOD BETWEEN 19 AND 20 HOURS (U.T.) TODAY. THE FIELD IS EXPECTED TO REMAIN QUIET TO UNSETTLED. PROTON FLUXES NEAR EARTH ARE AT BACKGROUND LEVELS.

III. EVENT PROBABILITIES 17 FEB - 19 FEB

CLASS M 40/30/30

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 FEB 87

PREDICTED 17 FEB-19 FEB 85/82/81

90-DAY MEAN 16 FEB 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 FEB 03

ESTIMATED AFR/AP 16 FEB 05/06

PREDICTED AFR/AP 17-19 FEB 08/09 - 08/09 - 08/09

SOLTERWARN