

HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 046A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 15 FEB 1974

IA. SOLAR ACTIVITY REMAINS LOW, ALTHOUGH REGIONS 349 (S13W40)
AND 352 (S20E40) HAVE EXHIBITED GROWTH AND ARE SOMEWHAT DYNAMIC.

IB. INCREASED ACTIVITY IS EXPECTED FROM REGIONS 349 AND 352,
ALTHOUGH NEITHER REGION APPEARS CAPABLE OF ENERGETIC ACTIVITY AT
THIS TIME.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETLED AND IS EXPECTED
TO REMAIN SO FOR 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS BOU 151300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 046B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 15 FEB 1974

IA. SIGNIFICANT GROWTH (BOTH WHITE LIGHT AND H-ALPHA) IS REPORTED IN ACTIVE REGIONS 349 (S13W40) AND 352 (S20E33). MINOR FLARE ACTIVITY IN 349 CONTINUES. MINOR X-RAY EVENTS AT 0320 AND 0951 U.T. TODAY HAVE NOT BEEN CORRELATED WITH ANY OPTICALLY-OBSERVED ACTIVITY.

IB. REGION 349 IS EXPECTED TO INCREASE FLARE PRODUCTIVITY. CLASS M EVENTS ARE POSSIBLE TOMMORROW, IF DEVELOPMENT CONTINUES AT CURRENT PACE. REGION 352 IS EXPECTED TO BEGIN PRODUCTION OF CLASS C FLARES TODAY.

II. THE GEOMAGNETIC FIELD IS QUIET, AND IS EXPECTED TO REMAIN SO DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 15 FEB - 17 FEB

CLASS M 07/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 14 FEB 78
PREDICTED 15 FEB - 17 FEB 78/80/80
90-DAY MEAN 14 FEB 84

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 13 FEB 14
ESTIMATED AFR/AP 14 FEB 11/12
PREDICTED AFR/AP 15 FEB - 17 FEB 05/06 - 08/09 - 08/09
SOLTERWARN
SPAN
BT

HFUS-BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 046

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z FEB 15 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE LAST 24 HOURS.
REGION 349 (S12W54) SHOWED SIGNIFICANT SPOT AND PLAGE GROWTH,
AND PRODUCED AT LEAST THREE SUBFLARES BUT NOW APPEARS TO BE
STABILIZING. ITS LARGEST FLARE, A SUBNORMAL AT 1507Z, PRODUCED AN
M-1 X-RAY EVENT AND A RADIO BURST OF 170 F.U. ABOVE BACKGROUND
ON 100CM. REGION 352 (S18E29) DISPLAYED MINOR FILAMENT ACTIVITY
AND POINT BRIGHTENINGS BUT NO FLARES SINCE A SUBFAINT AT 15/0111Z.
TWO OTHER C CLASS X-RAY EVENTS WERE REPORTED WITHOUT OPTICAL
CORRELATION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO QUIET. FURTHER
ENERGETIC ACTIVITY FROM REGION 349 IS POSSIBLE BUT NOT EXPECTED.
SPORADIC SUBFLARE ACTIVITY IS LIKELY FROM REGION 349 AND 352.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE
QUIET DURING THE NEXT 48 HOURS, AND UNSETLED THEREAFTER.

III. EVENT PROBABILITIES 16 FEB - 18 FEB

CLASS M 50/40/30

CLASS X 10/05/02

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7CM 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

SOLTERWARN

SPAN

BT