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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 FEBRUARY 1974

IA. ONLY TWO NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED DURING THE
PAST 8 HOURS. THE SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. THE DISK
AND THE LIMBS APPEAR STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL.

II. THE GEOMAGNETIC FIELD CONTINUES IN AN UNSETTLED CONDITION. THE
FIELD WILL REMAIN UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 251400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 25 FEBRUARY 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH A TOTAL OF SEVEN,
APPARENTLY NON-ENERGETIC SUBFLARES REPORTED DURING THE LAST 24 HOURS.
SIX OF THESE OCCURRED IN REGION 354 (S16W86) WHICH REMAINS RELATIVELY
BRIGHT AND IS PRODUCING OCCASIONAL SURGES AS IT BEGINS TO CROSS THE
LIMB. REGION 355 (N12E34) PRODUCED A SINGLE SUBFAINT FLARE AT 25/0054Z,
BUT NOW APPEARS DIM AND STABLE.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A VERY LOW LEVEL THROUGH THE
FORECAST PERIOD WITH ONLY A SLIGHT CHANCE OF A SMALL CLASS M EVENT
FROM REGION 354 AS IT CROSSES THE LIMB.

II. THE GEOMAGNETIC FIELD CONTINUES ACTIVE. THIS DISTURBANCE SHOULD
SLOWLY SUBSIDE WITH UNSETTLED CONDITIONS BY THE END OF THE PERIOD
AT MID LATITUDES, BUT ACTIVE CONDITIONS SHOULD CONTINUE AT HIGH
LATITUDES.

III. EVENT PROBABILITIES 25 FEB - 27 FEB

CLASS M 10/10/05

CLASS X 01/01/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 FEB 83

PREDICTED 25 FEB - 27 FEB 82/81/81

90-DAY MEAN 24 FEB 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 FEB 35

ESTIMATED AFR/AP 24 FEB 20/24

PREDICTED AFR/AP 25 FEB - 27 FEB 20/24 - 15/17 - 12/13

SOLTERWARN

SPAN

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 25 FEB 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ALL ACTIVITY CONFINED TO THE SW LIMB. REGION 354 (S16W90) HAS PRODUCED 5 SUBFLARES AND AN IMPORTANCE ONE NORMAL FLARE, THE LATTER OCCURRING AT 25/1826Z. THE REGION CONTINUES VERY BRIGHT WITH FREQUENT SURGES OBSERVED. A PROMINENCE AT S22W90, LOCATED JUST BEHIND DEPARTED REGION 352, HAS BEEN ACTIVE MOST OF THE DAY WITH BRIGHT POINTS OBSERVED SHORTLY AFTER 1800Z. AT 1810Z, VLF PHASE AND AMPLITUDE SHIFTS INDICATED AN X-RAY BURST OF UNKNOWN INTENSITY, ACCOMPANIED BY A STRONG TYPE III RADIO BURST AT DEKAMETRIC WAVELENGTHS. THIS WAS PROBABLY ASSOCIATED WITH THE ACTIVITY ON THE SW LIMB. REGION 355 (N14E28) HAS LOST ALL SPOTS AND HAS BEEN STABLE FOR THE LAST 24 HOURS.

IB. THERE IS STILL A SLIGHT CHANCE OF A SMALL CLASS M EVENT FROM REGION 354 AS IT CROSSES THE LIMB, BUT SOLAR ACTIVITY SHOULD BE GENERALLY VERY LOW THROUGH THE PERIOD.

II. THE GEOMAGNETIC FIELD CONTINUES VERY ACTIVE AT MID LATITUDES WITH MINOR STORM CONDITIONS AT HIGHER LATITUDES. THIS DISTURBANCE SHOULD GRADUALLY SUBSIDE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26-28 FEB

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 FEB 80

PREDICTED 26-28 FEB 79/78/78

90-DAY MEAN 25 FEB 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 FEB 21

ESTIMATED AFR/AP 25 FEB 27 ³⁷28

PREDICTED AFR/AP 26-28 FEB 20/24 - 15/17 - 10/11

SOLTERWARN

SPAN

BT