

HFUS 1 BOU 170600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 048A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 FEBRUARY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. ONE NON-ENERGETIC SUBFLARE WAS OBSERVED IN REGION 349 (S14W75). A WEAK STORM OF TYPE THREE RADIO BURSTS WAS OBSERVED BY CULGOORA. SOURCE WAS THE SOUTHWEST, PROBABLY REGION 349.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH A FEW SUBFLARES BEING OBSERVED.

II. THE GEOMAGNETIC FIELD IS GENERALLY QUIET WITH A FEW SHORT-LIVED UNSETTLED PERIODS. THE FIELD WILL REMAIN UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN
SPAN
BT.

HFUS BOU 171400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 0486
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 17 FEB 1974

IA. SOLAR ACTIVITY HAS BEEN LOW WITH THREE SUBFLARES REPORTED
DURING THE LAST NINE HOURS. REGION 352 (S18E06) PRODUCED TWO
SUBFLARES BUT APPEARS TO BE STABLE. REGION 347 (S16W47) HAS
SHOWN PLAGUE DEVELOPMENT AND PROCUCED A SUBFAINT FLARE WITH ASSOCIATED
DARK SURGE AT 17/1114Z.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH OCCASSIONAL
SUBFLARES FROM REGIONS 347 AND 352.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO
CONTINUE THE SAME THROUGH THE NEXT 48 HOURS.

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
SPAN
BT

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 FEB 1974

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS. REGION 349 (S17W53) HAS EXHIBITED SOME RECENT DEVELOPMENT IN THE TRAILING SECTION. NEARLY CONSTANT ACTIVITY HAS BEEN OBSERVED IN THE FILAMENT THAT ENTERS REGION 347 FROM THE SOUTH. REGION 352 (S18E01) HAS SHOWN CONSIDERABLE GROWTH IN WHITE LIGHT AND H-ALPHA. THIS REGION NOW CONTAINS A D-TYPE SPOT GROUP AND A SOMEWHAT KINKY MAGNETIC NEUTRAL LINE. A NEW REGION (NUMBER 353) CONTAINING AN A-TYPE SPOT AND BIPOLAR PLAGE HAS APPEARED AT S07W22. MINOR DEVELOPMENT HAS BEEN REPORTED IN REGION 348 (S19E14). THE REMAINDER OF THE SOLAR DISK IS UNIMPRESSIVE, AND NO ACTIVITY HAS BEEN OBSERVED ON THE LIMBS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE THREE-DAY FORECAST PERIOD. REGION 349 WILL PASS OVER THE WEST LIMB DURING THE NEXT 24 HOURS AND PROBABLY WILL PRODUCE SOME MINOR SURGE ACTIVITY. REGIONS 347 AND 352 MAY EXHIBIT CONTINUED SLOW DEVELOPMENT AND PROBABLY WILL PRODUCE SPORADIC SUBFLARES. OTHER CENTERS ARE EXPECTED TO REMAIN QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED DURING THE PAST 24 HOURS. QUIET TO UNSETLED CONDITIONS ARE LIKELY TO CONTINUE UNTIL 20 OR 21 FEBRUARY, WHEN A RECURRENT MINOR MAGNETIC STORM IS EXPECTED TO BEGIN.

III. EVENT PROBABILITIES 18-20 FEB:

CLASS M 40/30/30

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEB 88

PREDICTED 18-20 FEB 84/82/81

90-DAY MEAN 17 FEB 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 FEB 05

ESTIMATED AFR/AP 17 FEB 08/09

PREDICTED AFR/AP 18-20 FEB 08/09 - 08/09 - 15/17

SOLTERWARN

SPAN

BT