

HFUS 1 BOU 170550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY ISSUED 0600Z 17 DECEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS. ONE NON-ENERGETIC SUBFLARE WAS OBSERVED IN REGION 534 (N12W51).

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND WILL CONTINUE AT THAT LEVEL DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

BT

HFUS 1 BOU 171430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 17 DECEMBER 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 534 (N12W56)
HAS PRODUCED THREE SUBFLARES THIS ZULU DAY, ONE ATTAINED C-1
X-RAY LEVEL.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. IT IS EXPECTED
TO BECOME ACTIVE AND REMAIN SO FOR THE BALANCE OF THE PERIOD.

III. EVENT PROBABILITIES 17 - 19 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DEC 91

PREDICTED 17 - 19 DEC 96/98/98

90-DAY MEAN 16 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 DEC 10

ESTIMATED AFR/AP 16 DEC 05/06

PREDICTED AFR/AP 17 - 19 DEC 15/20 - 18/23 - 15/20

SOLTERWARN

BT

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351

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

IA. SOLAR ACTIVITY REMAINS VERY LOW. TWO LOW LEVEL CLASS C X-RAY EVENTS HAVE OCCURRED THE PAST 24 HOURS WITH SUBFLARES IN REGION 534 (N13W62). REGION 536 (N13E07) CONTINUES TO BE INACTIVE. SHORT-LIVED TRAILER POLARITY SPOTS CONTINUE TO EMERGE AROUND THE LARGE LEADER WITH PLAGE/NEUTRAL LINE STRUCTURE MAINTAINING A BETA GAMMA CONFIGURATION. REGION 539 (N05E79) IS TOO NEAR THE LIMB FOR EVALUATION. HOWEVER, CORONAL RAIN WAS OBSERVED NEAR 1500Z OVER THE REGION WITH SURGES NEAR NE12 REPORTED AFTER 2000Z.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. HOWEVER, EAST LIMB ACTIVITY MAY BE PRECURSOR FOR INCREASE IN FREQUENCY OF X-RAY FLARES.

II. THE GEOMAGNETIC FIELD HAD BEEN UNSETTLED, BECOMING SLIGHTLY ACTIVE AFTER 1630Z. THE FIELD IS EXPECTED TO BE ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 - 20 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 91

PREDICTED 18 - 20 DEC 91/92/92

90-DAY MEAN 17 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 DEC 07

ESTIMATED AFR/AP 17 DEC 11/13

PREDICTED AFR/AP 18 - 20 DEC 18/23 - 15/20 - 14/17

SOLTERWARN

BT