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HFUS 1 BOU 200500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 232A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 20 AUGUST 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE
DISK REGIONS AND THE LIMBS HAVE BEEN STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL WITH A FEW
NON ENERGETIC SUBFLARES EXPECTED.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES AND IS EXPECTED TO
CONTINUE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

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HFUS BOU 201430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 232B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 20 AUGUST 1974
IA. SOLAR ACTIVITY CONTINUES VERY LOW. MINOR SURGES HAVE MARKED
WEST LIMB PASSAGE OF REGION 469 (S17). ALL DISK REGIONS AND PROMINENCES
ARE MINOR AND QUIET.
IB. NO SIGNIFICANT INCREASE IN ACTIVITY IS EXPECTED DURING THIS
FORECAST PERIOD.
II. STORM CONDITIONS HAVE PREVAILED DURING THE PAST 12 HOURS.
A GRADUAL SUBSIDENCE TO ACTIVE TO UNSETTLED CONDITIONS WILL OCCUR
BY AUGUST 22.
III. EVENT PROBABILITIES 20 - 22 AUGUST
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 19 AUG 87
PREDICTED 20 - 22 AUG 82/82/80
90-DAY MEAN 19 AUG 89
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 19 AUG 29
ESTIMATED AFR/AP 20 AUG 44/67
PREDICTED AFR/AP 20 - 22 AUG 44/67 - 23/30 - 17/20
SOLTERWARN
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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 232

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY MINOR SURGES AT SW AND NW LIMB. SLOW GROWTH HAS OCCURRED IN A SMALL SPOT GROUP (REGION 476 S12W15) NORTHWEST OF A STABLE SUNSPOT (REGION 472, S14W13). LARGE-SCALE MOTIONS IN THIS AREA DURING THE PAST MONTH SUGGEST IMPROVING CONDITIONS FOR MAGNETIC FIELD GENERATION. REGION 475 (N02E60) IS REVERSED POLARITY AND CONTAINS ACTIVE FILAMENTARY MATERIAL. IT APPEARS LINKED TO THE REMAINS OF REGION 433 WHICH PRODUCED THE EXTREME ACTIVITY OF EARLY JULY. VELOCITY FIELDS NEARBY CONTINUE ABNORMALLY STRONG AND MAY LEAD TO ADDITIONAL NEW REGIONS THIS MONTH.

IB. SUBFLARE ACTIVITY MAY INCREASE AS REGIONS 475 AND 476 DEVELOP. SIGNIFICANT X-RAY ACTIVITY MAY OCCUR LATE IN THE FORECAST PERIOD BUT EVOLUTIONARY CURVES ARE TOO BRIEF FOR RELIABLE ESTIMATES.

II. MAJOR STORM CONDITIONS DOMINATED FROM 0-12Z FOLLOWED BY UNSETTLED CONDITIONS. A RETURN TO STORM CONDITIONS IS EXPECTED DURING LOCAL NIGHT HOURS. CONDITIONS WILL GRADUALLY SUBSIDE TO ACTIVE TO UNSETTLED LEVELS IN 24 HOURS.

III. EVENT PROBABILITIES 21 - 23 AUGUST

CLASS M 15/20/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 AUGUST 81

PREDICTED 21 - 23 AUGUST 83/85/87

90-DAY MEAN 20 AUGUST 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 AUGUST 29

ESTIMATED AFR/AP 20 AUGUST 37/55

PREDICTED AFR/AP 21 - 23 AUGUST 23/30 - 17/20 - 17/20

SOLTERWARN

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