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SOLTERWARN BDR

CNET OBS A MEUDO
HFUS 1 BOU 231300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO
SDF NUMBER 023A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/1200Z TO 23/1200Z; SOLAR ACTIVITY HAS BEEN LOW. SUNSPOT NUMBERS AND THE BACKGROUND 10 CM FLUX HAVE DECLINED STEADILY FOR 4 DAYS NOW, AND THE FREQUENCY OF C-CLASS EVENTS IS MUCH LOWER THAN IT HAS BEEN. WITH THE ROTATION OF THE SUNS MOST ACTIVE LONGITUDES BEHIND THE WEST LIMB, THE ONLY INTERESTING REGION REMAINING IS 3569 (S07E28). THIS REGION CURRENTLY HAS AN AREA OF 200 MILLIONTHS AND IS GROWING.

IB. SOLAR ACTIVITY FORECAST; SOLAR ACTIVITY IS FORECAST TO BE LOW. ONE OR TWO REGIONS ON THE DISK COULD DEVELOP INTO MAJOR FLARE PRODUCERS WITHIN 2 OR 3 DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST; THE GEOMAGNETIC FIELD CONTINUED AT ACTIVE LEVELS THROUGHOUT THIS PERIOD. A GRADUAL RETURN TO UNSETTLED CONDITIONS IS EXPECTED DURING THE REMAINDER OF THE DAY.

III. EVENT PROBABILITIES 24-26 JAN
CLASS M 40/30/30
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 22 JAN 158
ESTIMATED 23 JAN 153
PREDICTED 24-26 JAN 148/148/152
90-DAY MEAN 22 JAN 196

V. GEOMAGNETIC A INDICES
OBSERVED AFR 21 JAN 13 AP 22 JAN 29
ESTIMATED AFR 22 JAN 19 AFR/AP 23 JAN 20/20
PREDICTED AFR/AP 24-26 JAN 12/15 - 10/15 - 08/12
SOLTERWARN

BT

HFUS 3 BOU 232200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 023B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 JAN 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
23/1200Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN LOW. SLOW GROWTH
IS OCCURRING IN REGION 3569 (S07E23) AND RESTRUCTURING HAS BEEN
OBSERVED IN 3557 (N04W19). SEVERAL SMALL REGIONS MAY BE
ROTATING ONTO THE DISK OVER THE NORTHEAST LIMB BUT NO SPOTS ARE
VISIBLE AT THIS TIME.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE
LOW. PREVIOUSLY ACTIVE AND GROWING REGION 3537 (N10, L=331)
COULD ARRIVE ACTIVE AT THE EAST LIMB LATE TOMORROW.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO SLIGHTLY ACTIVE DURING THE LAST NINE HOURS.
GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT THREE
DAYS.
III. EVENT PROBABILITIES 24 JAN-26 JAN
CLASS M 30/30/30
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 23 JAN 153
PREDICTED 24 JAN-26 JAN 148/148/153
90 DAY MEAN 23 JAN 195
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 22 JAN 020/029
ESTIMATED AFR/AP 23 JAN 016/020
PREDICTED AFR/AP 24 JAN-26 JAN 012/015-010/015-010/012
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HXUS BOU 232200
PREDM 03024 03025 03026
PREDX 00124 00125 00126
PREDP 00124 00125 00126
PCAFT 00124
TENCM 14824 14825 15326
AFRED 01224 01025 01026
AFAPF 01524 01525 01226
BT