

HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 081A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 22 MARCH 1974

IA. SOLAR ACTIVITY REMAINS LOW BUT IS INCREASING. THREE SUBFLARES  
HAVE BEEN REPORTED FROM NEW REGION 371 (N15W26), A "B" TYPE GROUP  
WHICH IS EXPERIENCING RAPID GROWTH.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW, WITH PERHAPS 1 TO 2 CLASS  
C FLARES PER DAY.

II. A MINOR GEOMAGNETIC STORM IS IN PROGRESS. THE FIELD IS EXPECTED  
TO BE ACTIVE FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 221400  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 081B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 22 MARCH 1974  
IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT  
HOURS. NEW REGION 371(N15W30) HAS GROWN ONLY SLIGHTLY SINCE  
22/0600Z; THIS REGION NOW CONTAINS A C-TYPE SPOT GROUP, A  
NORTH-SOUTH NEUTRAL LINE, AND COMPACT PLAGE. REGION 371 PRODUCED  
A SUB-FLARE AT 22/0607Z. OTHER REGIONS HAVE REMAINED RELATIVELY  
STABLE AND HAVE SHOWN LITTLE SIGNIFICANT CHANGE.  
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 371  
MAY DEVELOP SLIGHTLY BUT IS NOT EXPECTED TO PRODUCE SIGNIFICANT  
ENERGETIC ACTIVITY.  
II. THE MINOR GEOMAGNETIC STORM THAT BEGAN ON 20 MARCH HAS  
CONTINUED AND HAS NOT DIMINISHED SIGNIFICANTLY SO FAR AT BOULDER.  
ACTIVE CONDITIONS ARE LIKELY FOR AT LEAST THE NEXT 48 HOURS.  
III. EVENT PROBABILITIES 22 - 24 MARCH  
CLASS M 05/05/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 21 MARCH 80  
PREDICTED 22-24 MARCH 80/80/80  
90-DAY MEAN 21 MARCH 83  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 20 MARCH 12  
ESTIMATED AFR/AP 21 MARCH 39/58  
PREDICTED AFR/AP 22-24 MARCH 20/24 - 15/17 - 15/17  
SOLTERWARN  
SPAN  
BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 081

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 MARCH 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS. NEW REGION 371 (N14W33) HAS PRODUCED FOUR NON-ENERGETIC SUBFLARES. REGION 371 NOW CONTAINS A D-TYPE SPOT GROUP, AN ARCH-FILAMENT SYSTEM, AND FLUCTUATING PLAGE. GROWTH IN THIS REGION HAS SLOWED RECENTLY, AND SO FAR ONLY A SIMPLE BIPOLAR MAGNETIC CONFIGURATION IS PRESENT. REGION 363 (S15W76) HAS EXHIBITED A FEW BRIGHTENINGS ALONG THE FILAMENT WEST OF THE PLAGE, BUT OTHERWISE THIS REGION HAS REMAINED STABLE. REGION 368 (S08E23) ALSO HAS REMAINED STABLE AND HAS SHOWN LITTLE SIGNIFICANT CHANGE. NO NEW REGIONS HAVE CROSSED EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 371 MAY PRODUCE SPORADIC SUBFLARES, BUT NO ENERGETIC EVENTS ARE EXPECTED. MINOR SURGES MAY BE PRODUCED BY REGION 363 AS IT CROSSES WEST LIMB.

II. THE GEOMAGNETIC STORM THAT BEGAN ON 20 MARCH HAS CONTINUED, ALTHOUGH THE LEVEL OF DISTURBANCE HAS DECREASED SOMEWHAT AT MOST OBSERVATORIES DURING LOCAL DAYTIME. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD, FOR PERHAPS A WEEK OR MORE, WITH MAXIMUM LEVELS OF DISTURBANCE LIKELY DURING LOCAL NIGHTTIME.

III. EVENT PROBABILITIES 23-25 MARCH

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MARCH 81

PREDICTED 23-25 MARCH 80/79/78

90-DAY MEAN 22 MARCH 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MARCH 40

ESTIMATED AFR/AP 22 MARCH 25/33

PREDICTED AFR/AP 23-25 MARCH 25/33-25/33-20/24

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