

HFUS 1 BOU 210600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 202A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 21 JULY 1974  
IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED  
FOR THE PAST 8 HOURS.  
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS CURRENTLY  
VISIBLE ON THE SOLAR DISK ARE QUIET.  
II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST  
8 HOURS. THE FIELD IS EXPECTED TO CONTINUE UNSETTLED FOR THE NEXT  
24 HOURS.  
III. NO CHANGE.  
IV. NO CHANGE.  
V. NO CHANGE.  
SOLTERWARN  
SPAN  
BT

HFUS 1 BOU 211400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 202B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1400Z 21 JULY 1974

IA. SOLAR FLARE ACTIVITY REMAINS VERY LOW, WITH NO FLARES REPORTED DURING THE LAST 8 HOURS. LIMB ACTIVITY FROM THE SOUTHEAST LIMB HAS CONTINUED. A NEW SPOT GROUP IS VISIBLE AT S13 E40. PLAGE GROWTH IS REPORTED FROM ACTIVE REGIONS 442 (S10 W56) AND 445 (S04 W59), INCREASING THEIR INTERACTIVE POTENTIAL.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW, BUT LIMB ACTIVITY FROM BOTH SOUTHEAST AND SOUTHWEST LIMBS IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY SLIGHTLY UNSETLED THROUGH THE LOCAL NIGHT, AND IS EXPECTED TO RETURN TO SOMEWHAT UNSETLED CONDITIONS AS LOCAL NIGHT APPROACHES. PROTON FLUXES AT SATELLITE ALTITUDES ARE AT BACKGROUND.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX

OBSERVED NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG NO CHANGE

SOLTERWARN

SPAN

BT

HFUS BOU 212210  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 202  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 JULY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, WITH NO (OPTICAL) FLARES RE-  
PORTED DURING THE LAST 24 HOURS. A VERY TINY X-RAY EVENT WAS OB-  
SERVED AT 1728 U.T. TODAY, AND HAD A SMALL CENTIMETRIC RADIO BURST,  
AND A DEKAMETRIC TYPE III IN COINCIDENCE. A NEW ACTIVE REGION IS  
APPARENT AT S13E31, AND IS ALREADY A TYPE C SPOT GROUP. AN ARCH  
FILAMENT SYSTEM INDICATES THE DYNAMIC NATURE OF THIS YOUNG REGION.  
CONTINUED LIMB ACTIVITY IS REPORTED EAST OF REGION 451 (S09E69).  
IB. FLARE ACTIVITY WILL INCREASE SLIGHTLY DURING THE FORECAST  
PERIOD, BUT ENERGETIC EVENTS ARE NOT EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETLED DURING THE LAST FEW  
HOURS, AND IS EXPECTED TO BECOME ACTIVE DURING THE NEXT 12 HOURS.  
THIS ACTIVITY IS EXPECTED TO PERSIST THROUGH THE FORECAST PERIOD,  
AS A RESULT OF A RECURRENT SECTOR STRUCTURE IN THE INTERPLANETARY  
FIELD. PROTON FLUXES ARE AT BACKGROUND.

III. EVENT PROBABILITIES 22-24 JULY

CLASS M 05/05/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 21 JULY 086  
PREDICTED 22-24 JULY 092/095/098  
90-DAY MEAN 21 JULY 090

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 20 JULY 09  
ESTIMATED AFR/AP 21 JULY 09/10  
PREDICTED AFR/AP 22-24 JULY 20/24-22/28-16/18

SOLTERWARN  
SPAN  
BT