

NNNN

KBOU

HFUS BOU 280500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 179A ISSUED 0500Z 28 JUNE 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL SMALL CLASS M FLARE IS PROBABLE DURING THE NEXT 24 HOURS.

A. ONLY CLASS C ACTIVITY HAS BEEN OBSERVED DURING THE PAST 24 HOURS. THE REGIONS S07E66 AND N15E11 HAVE PRODUCED THE MAJORITY OF THE FLARES OBSERVED. THE REGION S07E66 IS THE MOST INTERESTING DISK FEATURE AND ITS PLAGE REGION APPEARS TO BE LARGE WITH PART STILL BEYOND THE EAST LIMB. THE OTHER DISK REGIONS ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. THE TWO REGIONS S07E66 AND N15E11 ARE THE TWO MOST LIKELY TO PRODUCE FLARE ACTIVITY. AN OCCASIONAL CLASS M FLARE FROM EITHER REGION IS PROBABLE. THE GEOMAGNETIC FIELD WILL BE QUIET WITH PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 JUNE/0000Z ENDING 30 JUNE/2400Z

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 282200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 179B ISSUED 2200Z 28 JUNE 1971

CLASS C FLARES ARE EXPECTED WITH A POSSIBILITY OF A FEW CLASS M FLARES.

A. MORE THAN 20 FLARES HAVE BEEN OBSERVED DURING THE DAY. THE BIPOLAR REGION AT S13E60 HAS MOVED ONTO THE DISK AND HAS BEEN QUITE ACTIVE WITH PLAGE BRIGHTENINGS HAVING BEEN OBSERVED ALONG THE NEUTRAL LINES. THE S13E60 CENTER PRODUCED AN M2 AT 0914Z AND AN M1 AT 1217Z. THE OTHER ACTIVE REGION IS LOCATED AT N16W05 AND IS BIPOLAR. WHITE LIGHT OBSERVATIONS INDICATE THAT THE FEATURES AT N16W05 AND AT N16W15 ARE DECLINING. WHILE ACTIVITY WAS FAIRLY HIGH ON THE DISK, LIMB ACTIVITY WAS AT A LOW LEVEL.

B. A FEW CLASS M FLARES ARE EXPECTED DURING THE NEXT 24 HOURS. THE REGION OF HIGHEST ACTIVITY WILL PROBABLY BE S15E60. THE GEOMAGNETIC FIELD IS CURRENTLY UNSETTLED AND WILL PROBABLY REMAIN SO FOR THE NEXT TWO DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 JUNE/0000Z ENDING 01 JULY/2400Z.

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 28/1400Z, 28/1700Z AND 28/2000Z WERE 124, 129 AND 127 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 29 JUNE-01 JULY IS 125/130/132.

E. MAGNETIC A-FREDERICKSBURG FOR 27 JUNE WAS 04. FOR 28 JUNE ABOUT 04. PREDICTED AP FOR 29 JUNE-01 JULY, 15/12/09.

SOLTERWARN

SPAN

BT