

NNNN

KBOU

HFUS BOU 120500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255A ISSUED 0500Z 12 SEPT 1971

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. SMALL SURGES HAVE BEEN OBSERVED NEAR NE14, WHERE A PLAGE OF MODERATE INTENSITY IS CROSSING THE LIMB. DATA FROM THE CULGOORA RADIOSPECTROHELIOGRAPH INDICATE THAT TYPE-III DEKAMETRIC BURSTS HAVE BEEN PRODUCED NEAR THE SOUTHEAST AND NORTHEAST LIMBS. OLD REGION 235, WHICH IS EXPECTED TO RETURN TO THE EAST LIMB NEAR SE12 DURING THE NEXT 24 HOURS, HAS PRODUCED ONLY A SLIGHT ENHANCEMENT OF MICROWAVE EMISSIONS NEAR THE SOUTHEAST LIMB, ACCORDING TO DATA FROM THE STANFORD 9.1CM SPECTROHELIOGRAPH. SLOW DEVELOPMENT IS CONTINUING IN SMALL NEW BIPOLAR REGION 261 AT S16E13. THE GEOMAGNETIC FIELD REMAINED QUIET UNTIL ABOUT 12/0300Z, WHEN UNSETTLED CONDITIONS BEGAN.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 SEP/0000Z ENDING 14 SEP/2400Z.

CLASS M OR GREATER 15/15/15

CLASS X 02/02/02

PROTON EVENTS 05/02/02

SOLTERWARN

SPAN

BT

NNNNXM

KBOU

HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 255B ISSUED 2200Z 12 SEP 1971

CLASS M LIMB EVENTS ARE POSSIBLE DURING THE NEXT 24 HOURS.

A. ACTIVITY DURING THE PAST 24 HOURS HAS CONSISTED OF SUB-FLARE AND SURGE ACTIVITY FROM THE NE, NW AND SE LIMBS. ALL ACTIVITY HAS BEEN MINOR EXCEPT FOR A CLASS M4 SUBNORMAL FLARE/SURGE AT 12/1617Z NEAR S08E90. THIS EVENT WAS ACCOMPANIED BY A 9 FLUX UNIT 10CM BURST AND PRODUCED STRONG SHORT WAVE FADEOUTS. IT INDICATES THAT OLD REGION 235 IS STILL ACTIVE. AS YET NEITHER PLAGE NOR SPOTS ARE VISIBLE FOR THIS RETURNING FEATURE. REGION 262, AN A-TYPE SPOT GROUP IN SCATTERED PLAGE, IS NOW VISIBLE NEAR N13E74. CONTINUED ACTIVITY ON THE NE LIMB INDICATES THAT ANOTHER REGION MAY BE APPROACHING THE VISIBLE DISK. THE GEOMAGNETIC FIELD WAS ACTIVE 12/0300-1200Z AND QUIET SINCE 12/1200Z.

B. ENERGETIC ACTIVITY IS POSSIBLE FROM RETURNING REGION 235 FOR THE NEXT 72 HOURS. THE LEADING EDGE OF THIS REGION SHOULD BE VISIBLE WITHIN 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 SEP/0000Z ENDING 15 SEP/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 12/1400Z AND 12/1700Z WERE 91 AND 90. PREDICTED 10.7 CM FLUX FOR 13-15 SEP IS 98/105/112.

E. MAGNETIC A-FREDERICKSBURG FOR 11 SEP WAS 07. FOR 12 SEP ABOUT 09 PREDICTED AP FOR 13-15 SEP, 10/10/08.

SOLTERWARN

SPAN

BT