

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 714A ISSUED 0400Z 10 AUGUST 1970

SMALL CLASS M FLARES ARE POSSIBLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY THE PAST ELEVEN HOURS HAS CONSISTED OF SIX CLASS C SUBFLARES; THREE FROM N18W10, TWO FROM S06W21, AND ONE FROM A PLAGE WITH NO VISIBLE SPOTS NEAR N07W26. THE CENTRAL PORTION OF THE N18W10 REGION HAS GROWN AND APPARENTLY CONTAINS A DELTA CONFIGURATION. A NEW BIPOLAR GROUP IS EMERGING IMMEDIATELY SE OF THE INACTIVE REGION NEAR N20E26. THE S06W21 REGION HAS SHOWN LITTLE CHANGE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ACTIVITY DURING THE NEXT 72 HOURS SHOULD BE LIMITED TO RELATIVELY SMALL AND INFREQUENT CLASS M EVENTS. INTERVALS OF UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 AUG/0400Z ENDING 13 AUG/0400Z
CLASS M OR GREATER 40/50/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 09/1700Z AND 09/2000Z WERE BOTH 134.
SOLTERWARN

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 714B ISSUED 1700Z 10 AUG 1970

A LOW LEVEL OF CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS
A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY OCCASIONAL
SUBFLARES. THE N18W17 REGION RETAINS THE DELTA CONFIGURATION
IN THE CENTRAL SPOTS BUT THE MAGNETIC GRADIENTS HAVE DECLINED.
THE PLAGE IS ENHANCED BETWEEN THE DELTA AND THE LEADER. OTHER
REGIONS ARE EITHER STABLE OR SHOWING SIGNS OF DECAY. THE GEO-
MAGNETIC FIELD IS QUIET.

B. THE NW REGION IS EXPECTED TO PRODUCE AN OCCASIONAL SUBFLARE
THAT MIGHT REACH BORDERLINE M X-RAY LEVELS. A REGION, WHICH
WAS ACTIVE DURING ITS LAST DISK TRANSIT, IS RETURNING TO THE EAST
LIMB IN 72 HOURS. PIONEER 9 SATELLITE DETECTED AN ACTIVE REGION
ON THE BACKSIDE ON AUG 8 AND THIS MIGHT BE THE SAME REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 10 AUB/1700Z ENDING 13 AUG/1700Z.

CLASS M OR GREATER 40/40/50

CLASS X 02/02/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 10/1400Z WAS 134. PREDICTED 10.7CM
FLUX FOR 11-13 AUG IS 134/134/138.

E. MAGNETIC A-FREDERICKSBURG FOR 09 AUG WAS 16. FOR 10 AUG
ABOUT 06. PREDICTED AP FOR 11-13 AUG IS 05/05/10.

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