NNNNUU0400
NNNNLGVRG
KMSC
HAUS BOU 090400Z
FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 744A ISSUED 0400Z 09 SEPT 1970
ONE, PERHAPS TWO, SMALL M FLARES ARE ANTICIPATED DURING THE NEXT 13 HOURS.
A. LITTLE CHANGE HAS BEEN REPORTED IN ANY OF THE 15 DISK FEATURES. A SMALL SPOT IS NOW VISIBLE ON THE SE LIMB. BETWEEN ABOUT 1620 AND 2300Z YESTERDAY A NUMBER OF SURGES WERE VISIBLE THERE, ESSENTIALLY PRECEDING THE APPEARANCE NEAR S10 OF THE J-TYPE SPOT. ONE REMAINING POINT OF INTEREST CONCERNS A NEW N05E43 REGION. ITS COMPACT, ATTENDANT PLAGE HAS REMAINED FLARE-BRIGHT FOR ABOUT THE PAST 6 HOURS. THE GEOMAGNETIC FIELD REMAINS UNDISTURBED.
B. ONLY AN OCCASIONAL M FLARE IS EXPECTED SUPERPOSED ON A GENERALLY LOW OVERALL LEVEL OF ACTIVITY.
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 SEPT/0400Z ENDING 12 SEPT/0400Z.
CLASS M OR GREATER 90/80/75
CLASS X 15/10/10
PROTON EVENTS 10/10/10
D. OTTAWA 10.7 CM FLUXES FOR 08/1700Z WAS 155.
SOLTERWARN
SPAN
BT

HAUS BOU 091700Z
FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 744B ISSUED 1700Z 09 SEP 1970
NOT MORE THAN ONE CLASS M FLARE IS EXPECTED IN THE NEXT 11 HOURS.
A. ACTIVITY HAS CONSISTED OF SMALL FLARES FROM THE REGIONS NOW LOCATED AT N17W58 AND S03W88. THE SECTION OF PENUMBRA SW OF THE LEADER AT N17W58 HAS GROWN AND INFERRED MAGNETIC GRADIENTS ARE LARGER HERE. A NEW B TYPE SPOT GROUP AT N17W39 HAS EMERGED AND TWO NEW REGIONS AT N13W78 AND S10E73 HAVE ROTATED ON THE DISK AND ARE TYPE A AND TYPE H SPOTS RESPECTIVELY. THE GEOMAGNETIC FIELD IS QUIET.
B. AN OCCASIONAL CLASS M FLARE IS EXPECTED IN THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD MAYBE UNSETTLED THE NEXT 24 HOURS.
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 SEP/1700Z ENDING 12 SEP/1700Z.
CLASS M OR GREATER 85/85/90
CLASS X 10/10/15
PROTON EVENTS 10/10/10
D. OTTAWA 10.7 CM FLUX FOR 09/1400Z WAS 155. PREDICTED 10.7 CM FLUX FOR 10-12 SEP IS 152/150/145.
E. MAGNETIC A-FREDERICKSBURG FOR 08 SEP WAS 8. FOR 09 SEP ABOUT 10. PREDICTED AP FOR 10-12 SEP 10/8/6.
SOLTERWARN
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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDFR 992 ISSUED 09 SEPTEMBER 1970
HIGHLIGHTS FOR THE PERIOD 02-08 SEPTEMBER 1970:
DURING THE PAST SEVEN DAYS MCMATH REGION 918, NEAR N17W50 (L 240), HAS BEEN THE DOMINANT FEATURE ON THE SOLAR DISK. FOR MOST OF THE PERIOD THIS REGION HAS BEEN VERY IMPRESSIVE IN SEVERAL PARAMETERS WHICH ARE USUALLY INDICATIVE OF A CENTER OF ENERGETIC ACTIVITY -- A MAGNETICALLY COMPLEX STRUCTURE WITH A SPOT GROUP HAVING AN AREA IN EXCESS OF 1000 MILLIONTHS OF THE SOLAR HEMISPHERE, A CONTORTED NEUTRAL LINE IN THE LONGITUDINAL COMPONENT OF THE MAGNETIC FIELD, AND A MODERATELY BRIGHT AND COMPACT PLAGE WITH ACTIVE ABSORPTION FEATURES. DESPITE ITS IMPRESSIVE STRUCTURE, HOWEVER, THE REGION PRODUCED ONLY TWO VERY SMALL CLASS M SUBFLARES AND A FEW CLASS C EVENTS. THE REGION HAS BEEN DECAYING QUITE RAPIDLY SINCE 07 SEPTEMBER AND IS CURRENTLY OF CLASS/AREA E/580 MILLIONTHS. REGION 922, NEAR N22W01 (L 194), ACTUALLY DOMINATED THE ACTIVITY WITH FOUR SMALL CLASS M EVENTS AND ONE MEDIUM-SIZED M EVENT. THE MEDIUM-SIZED EVENT WAS AN IMPORTANCE 1B FLARE AT 05/1532Z WHICH WAS ACCOMPANIED BY MINOR RADIO EMISSION AND RELATIVELY MINOR SUDDEN IONOSPHERIC DISTURBANCES. MCMATH REGION 913, NEAR N18W67 (L 268), PRODUCED ONE SMALL CLASS M EVENT OF OPTICAL IMPORTANCE 1B AT 04/1612Z. ALL EIGHT CLASS M EVENTS WERE OF RELATIVELY SHORT DURATION AS WELL AS OF LOW INTENSITY. THE GEOMAGNETIC FIELD WAS UNSETTLED 02-03 SEPTEMBER. THE FREDERICKSBURG A-INDEX WAS 13 FOR BOTH DAYS.

FORECAST FOR THE PERIOD 10-16 SEPTEMBER 1970:
ACTIVITY IS EXPECTED TO CONTINUE AT A LOW TO MODERATE LEVEL. AN AVERAGE OF ONE TO TWO CLASS M EVENTS PER DAY IS EXPECTED. MINOR ACTIVITY ON THE EAST LIMB INDICATES THAT AN ACTIVE REGION IS APPROACHING THE LIMB NEAR S05-10.

28-DAY FORECAST FOR THE PERIOD 10 SEPTEMBER - 08 OCTOBER 1970:
LOW TO MODERATE ACTIVITY IS EXPECTED TO PERSIST THROUGHOUT THE PERIOD. NO PERIODS OF MAJOR ACTIVITY ARE FORESEEN AT THIS TIME.
SOLTERWARN