

BOULDER FORECAST

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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166 ISSUED 2200Z 14 JUNE 1972

A. SOLAR ACTIVITY HAS CONTINUED LOW. REGION 237 /S11E19/ AND NEW REGION 245 /N08E85/ HAVE EACH PRODUCED HALF A DOZEN C-CLASS SUBFLARES DURING THE PAST 24 HOURS. WHILE REGION 237 CONTAINS MIXED POLARITIES, THE DELTA CONFIGURATION IS GONE. THE REGION APPEARS QUITE STABLE IN H-ALPHA AND WHITE LIGHT ALTHOUGH THERE HAS BEEN CONSIDERABLE MOVEMENT IN THE ACTIVE DARK FILAMENT STRUCTURE TO THE WEST OF THIS REGION. REGION 245 IS STILL TOO CLOSE TO THE LIMB FOR ANALYSIS. WHAT CAN BE SEEN OF THIS REGION LOOKS SIMPLE. ALL OTHER REGIONS ARE SIMPLE AND UNINTERESTING. THE GEOMAGNETIC FIELD HAS BEEN QUIET UNTIL 1630Z WHEN IT BECAME SLIGHTLY UNSETLED.

B. SOLAR ACTIVITY SHOULD CONTINUE LOW WITH CONTINUED C-CLASS SUBFLARES FROM REGIONS 237 AND 245. SHOULD THE WIDE UNSTABLE FILAMENT WHICH CROSSES THE SOLAR EQUATOR NORTHWEST OF REGION 237 SUDDENLY DISAPPEAR, AN ENERGETIC FLARE MIGHT BE TRIGGERED IN THIS REGION. REGION 245 HAS NOT COMPLETELY MOVED INTO VIEW, BUT CONTINUED SUBFLARE ACTIVITY DEMANDS CAUTION. ALL OTHER REGIONS SHOULD CONTINUE QUIET. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15/0000Z ENDING 17/2400Z.

CLASS M OR GREATER 60/65/65

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 14/1400Z, 14/1700Z AND 14/2000Z WERE 131, 132 AND 131 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 15-17 JUNE IS 125/125/121.

E. MAGNETIC A-FREDERICKSBURG FOR 13 JUNE WAS 04. FOR 14 JUNE ABOUT 09 PREDICTED AP FOR 15-17 JUNE, 12/10/13.

SOLTERWÄRN

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