

NNNN

KBCU

HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 148A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 28 MAY 1974

IA. VERY LITTLE ACTIVITY HAS BEEN OBSERVED DURING THE PAST 8 HOURS.
REGION 413 (S15W53) IS THE ONLY REGION ON THE DISK WITH SPOTS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH A FEW NON-ENERGETIC
SUBFLARES EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE NEXT 24
HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 281400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 148B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 28 MAY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED IN
THE PAST 8 HOURS, AS ALL REGIONS ON THE DISK HAVE BEEN QUIET AND
PREDOMINANTLY STABLE.

IB. SOLAR ACTIVITY SHOULD INCREASE FOR THE REMAINDER OF THE PERIOD.
THE AMOUNT OF THE INCREASE WILL BE DICTATED BY THE OLD REGIONS NOW
RETURNING AT EAST LIMB.

II. UNSETLED TO MILDLY ACTIVE CONDITIONS HAVE PREVAILED IN THE
GEOMAGNETIC FIELD TODAY. PREDOMINANTLY ACTIVE CONDITIONS ARE EX-
PECTED FOR THE NEXT FEW DAYS.

III. EVENT PROBABILITIES 28 MAY - 30 MAY

CLASS M 30/30/30

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAY 83

PREDICTED 28 MAY - 30 MAY 89/95/100

90-DAY MEAN 27 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED, FREDERICKSBURG 26 MAY 09

ESTIMATED AFR/AP 27 MAY 12/16

PREDICTED AFR/AP 28 MAY - 30 MAY 15/18 - 17/21 - 19/24

SOLTERWARN

SPAN

BT

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 148

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THUS FAR TODAY. REGION 413 (S16W72) EXHIBITED CHANGE IN BOTH THE LEADER AND TRAILER SPOTS, BUT REMAINS A D TYPE GROUP. THE REGION HAS BEEN QUIET FOR ABOUT 24 HOURS. A NEW REGION, 415 (N07W52), CONSISTS OF A SINGLE SPOT. THIS REGION EMERGED TODAY NEAR THE LOCATION OF OLD H-ALPHA PLAGE REGION 410. OLD, SCATTERED PLAGE AREAS LOCATED NEAR S08E65-75 TO S16E60-75 HAVE BEEN STABLE, AND APPEAR TO BE MAGNETICALLY SIMPLE AT THIS TIME. PROMINENCE ACTIVITY HAS BEEN REPORTED AT EAST LIMB NEAR S15. DEKAMETRIC TYPE III ACTIVITY HAS ALSO BEEN OBSERVED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO VERY LOW FOR THE NEXT 3 DAYS. IT APPEARS THAT THE OLD 392/393 COMPLEX DECAYED SIGNIFICANTLY WHILE ON THE INVISIBLE DISK, SO ENERGETIC ACTIVITY IS NOT LIKELY HERE. HOWEVER, LIMB PROXIMITY STILL PROHIBITS COMPLETE ANALYSIS OF THE COMPLEX, WHICH MEANS THE CHANCES OF AN M-CLASS EVENT CANNOT BE COMPLETELY DISCOUNTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TODAY. ACTIVITY IS EXPECTED TO INCREASE DURING THE FORECAST PERIOD AND CULMINATE IN THE FORM OF A RECURRENT DISTURBANCE BEGINNING THE LATTER PART OF THE PERIOD.

III. EVENT PROBABILITIES 29 - 31 MAY

CLASS M 25/20/15

CLASS X 03/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 85

PREDICTED 29 - 31 MAY 87/89/91

90-DAY MEAN 28 MAY 85

V. GEOMAGNETIC A. INDICES

OBERVED FREDERICKSBURG 27 MAY 14

ESTIMATED AFR/AP 28 MAY 11/14

PREDICTED AFR/AP 29 - 31 MAY 14/18 - 20/25 - 25/30

SOLTERWARN

SPAN

BT