

HFXUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 095A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 05 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/1200Z TO 05/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3674(S07W20) GAVE A C6/1N FLARE AT 04/1352Z. OTHER ACTIVITY HAS BEEN LIMITED TO SMALL C CLASS SUBFLARES. NONE OF THE REGIONS CURRENTLY OBSERVED APPEARS CAPABLE OF MAJOR ACTIVITY. REGIONS 3670(S17W03), 3675(S15E53), AND 3678(N09E58) ARE THE LARGEST OF THESE. ALL ARE REPORTED GROWING. REGION 3670 IS AN E CLASS SPOT GROUP OF ABOUT 200 MILLIONTHS, MAGNETICALLY BETA GAMMA. REGIONS 3675 AND 3678 ARE D CLASS SPOT GROUPS OF LESS THAN 200 MILLIONTHS, AND ARE SIMPLE BETA GROUPS MAGNETICALLY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW. SMALL FLARES ARE LIKELY FROM THE SEVERAL LARGER REGIONS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TRENDING TOWARD MINOR STORM LEVEL IN RECENT HOURS. IT SHOULD REMAIN NEAR MINOR STORM LEVEL INTO THE EARLY HOURS OF 6 APRIL. UNSETTLED LEVEL TRENDING TOWARD QUIET SHOULD OCCUR LATE IN THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 APR-08 APR

CLASS M . . . 40/30/30

CLASS X . . . 01/01/01

PROTON . . . 01/01/01

PCAF . . . GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED . . . 04 APR 158

ESTIMATED . . . 05 APR 155

PREDICTED . . . 06 APR-08 APR 157/158/161

90 DAY MEAN . . . 04 APR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR . . . 03 APR 032 AP 04 APR 024

ESTIMATED AFR . . . 04 APR 020 AFR/AP 05 APR 025/025

PREDICTED AFR/AP 06 APR-08 APR 018/018-012/012-012/012

SOLTERWARN

BT

HFXUS BOU 051300

PREDM 04006 03007 03008

PREDX 00106 00107 00108

PREDP 00106 00107 00108

PCAF 00106

TENCM 15706 15807 16108

AFRED 01806 01207 01208

AFAPF 01806 01207 01208

KKK 44444 33333 33332

BT

HFXUS 3 BOU 052200

FROM SPACF ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 095F

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 05 APR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
05/1200Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE FOR THIS
PERIOD DUE TO A M1 FLARE PRODUCED BY REGION 3659 ON THE LI: B.
THERE HAS BEEN NO OTHER SIGNIFICANT ACTIVITY DURING THIS
PERIOD. ALL REGIONS ON THE DISK WITH THE EXCEPTION OF REGION
3672 (N09E05) SHOW SIGNS OF DECAY. REGION 3672 SHOWS SOME
GROWTH THOUGH IT STILL IS NOT EXPECTED TO BE A SIGNIFICANT
FLARE PRODUCER.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL BE LOW. NO
REGION ON THE DISK APPEARS TO BE CAPABLE OF MAJOR FLARE
PRODUCTION.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE DURING THIS PERIOD AND IS EXPECTED TO CONTINUE
ACTIVE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 06 APR-08 APR

CLASS M 40/30/30

CLASS X 01/01/01

PROTON 21/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 APR 160

PREDICTED 06 APR-08 APR 158/160/161

90 DAY MEAN 05 APR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 APR 021/024

ESTIMATED AFR/AP 05 APR 016/025

PREDICTED AFR/AP 06 APR-08 APR 13/018-009/012-011/012

SOLTERWARN

BT

HFXUS BOU 052200

PREDM 04006 03007 03008

PREDX 00106 00107 00108

PREDP 00106 02107 00108

PCAF 00106

TENCM 15806 16007 16108

AFRED 01306 00907 01108

AFAPF 01806 01207 01208

BT