

ROUTING

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DATE

TO :  
FROM :  
ACTION:  
INFO :

**PRIORITY**



OSA 1-70

TO

~~SECRET~~ 100025Z <sup>INFO</sup> [REDACTED] CITE [REDACTED]

CITE

PRIORITY [REDACTED]

CORONA RESIDENT OFFICE TWX FACILITIES ONLY

ATTN: [REDACTED]

SUGGEST FOLLOWING [REDACTED] TWX TO [REDACTED] INFO [REDACTED] AND [REDACTED] IN

REPLY TO [REDACTED]

QUOTE:

YOUR [REDACTED] R.O. PLANS DETAILED REVIEW OF PG STATUS AT PIM MEETING SCHEDULED BY [REDACTED] ITEMS TO BE COVERED INCLUDE PG CALIBRATION, PG-1 CHARACTERISTICS INCLUDING OPERATIONAL RESULTS IF AVAILABLE, DIFFERENCES AMONG PG PAYLOADS, PG INSTRUMENT SCHEDULES, AND DISCUSSION OF PG SYSTEM'S ABILITY TO MEET USER NEEDS. SUFFICIENT TIME WILL BE ALLOWED ON PIM AGENDA FOR THIS REVIEW. UNQUOTE

GOOD LENSES FOR PG-7 AND 8 ARE NOW AVAILABLE AT [REDACTED] THE R.O. IS AUTHORIZING THESE TO BE DELIVERED AS PG SYSTEMS WITH RESERVATION TO CONVERT TO NON-PG IF NECESSARY. WILL MAKE DECISION ON PG-9 WHEN LENSES ARE AVAILABLE. FIVE LENSES IN THE WORKS NOW - 2 OF WHICH SHOULD BE SATISFACTORY. (CONT'D)

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PAGE TWO

MAIN PROBLEMS WITH PG-1 WERE OBTAINING ACCEPTABLE RAIL HOLE IMAGES, (CORRECTED BY SCAN HEAD LAMP INSTALLATION PROCEDURES) INTERRUPTED SCAN TRACES AT FIRST 4 INCHES OF FORMAT (AN OPEN ITEM BUT USERS' INDICATE ACCEPTABILITY) FILM LIFT OUT OF TOLERANCE (WAS 0.022 MAXIMUM ALLOWABLE IS 0.019 - CORRECTED BY REWORKING RING FLATNESS AND BY SHIMS TO 0.012), CALIBRATION MATERIAL DID NOT REVEAL INFLECTION POINT (CALIBRATION TECHNIQUE CHANGED TO NOT REQUIRE AN INFLECTION POINT).

PG-2 HAD PROBLEM WITH SCAN TRACE DISPLACEMENT AS A FUNCTION OF TEMPERATURE (THIS CORRECTED BY REDESIGN OF LENS COLLIMATOR PRISM MOUNT MAKING IT MORE RIGID). NEW CALIBRATION TECHNIQUE USED ON PG-2 MATERIAL SHOWS ABILITY TO MENSURATE TO ABOUT 10-15 MICRONS REPEATABLE. BELIEVE THAT CALIBRATION TECHNIQUE IS NOW SATISFACTORY AND THAT PG'S 3,7,8, AND 9 SHOULD BE GOOD PG SYSTEMS. ONE OF REMAINING PROBLEMS IS OBTAINING PETZUAL LENSES FOR PG-9.

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