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AD HOC COMMITTEE MEETING
12 December 1967

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Proj. ~~22538-8~~
22538-8*

25X1A

Purpose of Committee: to take a good hard look at evaluations that are now going on in CR-1, and look into CR-2, 3, and 4 to see if we can provide the best usability.

CR-1; trying to determine the capability of the system as a system. No filter change data available yet; did exercise the through-exposure; has capability of four slits; did exercise the filter change device.

CR-1; tape recorder installed; there seems to be a demand to have a tape recorder installed throughout; tape recorder has proved most useful for our diagnostic; cut down on manhours.

25X1A

Maximum difference is plus or minus two milliseconds from cursory analysis.

25X1A

Putting an SFO5 and 09 in CR-2; the 09 will be used on engineering; SFO5 is similar to a W67. There will be a good evaluation from the SFO5 and 09. CR-4 will have a different combination as far as film is concerned.

25X1A

CR-1 - We have a contract with [redacted] doing systems analysis and capability analysis; [redacted] is heading the operation.

25X1A

25X1A

First performance report in January; CR-1 - the changes that occurred because of the W21 and 23-A were very slight; differences are extremely small (tonal range).

25X1A

Filter evaluation:

Question: As far as the CORONA system goes, we have a fairly

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complicated filter trade-off problem. Don't you feel we should have gone from 21 to 12? I now believe that it would be best cutting down the slit.

25X1A

[REDACTED]

This was tried before. It was agreed that 21 to 23A were pretty smart to use. Optical system does tend to slide off; I don't think much is to be served by going back the other way.

25X1A

[REDACTED]

How did you come to this conclusion?

25X1A

[REDACTED]

I tend to believe that because of the nature of the system, the slit width at this point in time in the CR system is more important than in the J-1 because of uncompensated motion.

The lens problem is not as severe as we thought back previously.

25X1A

[REDACTED]

We should think of the spectrosensitivity region. The difference in atmospheric radiance that you could see, you probably couldn't detect the change.

25X1A

[REDACTED]

This lens has grown quite a bit. Such an evaluation is within the context of this group. Is it hard to enlist NPIC, PI type support?

25X1A

[REDACTED]

Get 10 best PI's rather than 100 to get a good analysis; hand pick the PI's.

25X1A

[REDACTED]

Major problem of shipping material, people, and data around; seems there are different ways we could operate.

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25X1A

[REDACTED]

The Center would provide support if we hand-picked the PI's; shouldn't get involved in huge statistical effort.

25X1A

25X1A

[REDACTED]

Don't like project [REDACTED] analysis technique.

25X1A

[REDACTED]

Looked at 136 different scans and 60% of the time could predict luminance vs solar elevation, angles, etc; altitude does change a lot. CR-2 has 3rd, 4th, and 5th test on it.

Purpose of 3 is to see if we can get bi-color images. SF05 - green filter; square shape; lens is not designed for that filter.

25X1A

[REDACTED]

Block test shows no difference.

W/21 - controlled test 140 and shows 129 L/mm

W/SF05 - 144-126

25X1A

[REDACTED]

1101 - rectified and ortho-printed. We are making bi-color shots from these.

25X1A

[REDACTED]

25X1A Preliminary ideas are being forwarded.

[REDACTED]

25X1A CR-2 - polarizing filter; one combination works very well in tests.

[REDACTED]

If you look right into the sun with the camera, some of the information disappears; will be able to look at different tones.

CR-2 S0230 - objective is to compare 230 with 3404 in an operational mission.

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25X1A

[REDACTED]

25X1A Evaluate impact in a system.

[REDACTED]

Filter to be used not decided on yet.

CR-4 - two different types of filters and two different types of film.

25X1A

[REDACTED]

The intelligence value of color films is inversely commensurate with scale of photography. Will get much poorer at smaller scale; has scale been simulated?

25X1A

[REDACTED]

25X1A Has been discussed only.

[REDACTED]

25X1A Has some at lower altitudes if you want.

[REDACTED]

25X1A Night photography - SO340 film will be used; 400 feet

[REDACTED]

Get results on what information has come out of two cameras already used.

25X1A

[REDACTED]

Getting the problems down.

25X1A

[REDACTED]

If we run these tests could we get some evaluations on what these have proven on a more timely basis?

25X1A

[REDACTED]

That should be one product of the meetings of this Committee if the finding is significant.

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25X1A

[REDACTED]

25X1A Why not at the PET?

[REDACTED]

There are distinction between system analysis program tests that are being run.

25X1A

[REDACTED]

25X1A

Solution - preferably, get ON's up at [REDACTED]

25X1A

[REDACTED]

Would like to see it kept at Westover for the analysis.

25X1A

[REDACTED]

Suppose it is taken to Westover; Westover has adequate facilities for that type of experiment; we do need to get NPIC PI's involved. Is it more desirable to have the PI's going to Westover, or get involved down here taking a couple of weeks?

25X1A

[REDACTED]

If TERRO interferes, we will cancel it. Does anyone use it?

25X1A

[REDACTED]

Never heard of it. Do you use it Don?

25X1A

[REDACTED]

Rely on TERRO for density readings. ON's at Westover would deprive PI's of the ON.

25X1A

[REDACTED]

Would it not be a case of general exploitation off the product they usually use?

25X1A

[REDACTED]

Generally it is, however, density cuts, etc. are often required from ON.

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[REDACTED]

Westover will provide highest priority for NPIC; nine courier runs a day if necessary.

25X1A

[REDACTED]

25X1A

[REDACTED]

25X1A

25X1A

[REDACTED]

25X1A

Problems in having the [REDACTED] people and Westover people working together?

25X1A

[REDACTED]

No problem.

25X1A

[REDACTED]

Possibility of moving HPL high target density scans.

25X1A

[REDACTED]

How long would ON's be tied up on their operations?

25X1A

[REDACTED]

Effort can be increased; should be no delay.

25X1A

[REDACTED]

About five days; for capability reports - these have to be done after the PET Meeting.

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