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ISI NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

THE NRO STAFF

10 August 1971

Dr. McLucas has soon.

MEMORANDUM FOR DR. McLUCAS

SUBJECT: Dr. Garwin's Inquiries on SPIN SCAN

Dr. Jack Martin called yesterday to say that Dr. Garwin had requested a refresher briefing on the interim crisis response systems which were considered by the 23 April 71 ExCom. I agreed to assemble the material and go over it with Dr. Garwin. The meeting was held from 1000-1200 on Tuesday, 10 August in Dr. Martin's office in the Executive Office Building.

Attendees were:

Dr. Kahal

Col Bradburn

Maj Craig

Maj Alser

Dr. Garwin

Dr. Martin

Dr. Garwin's principal interest was in SPIN SCAN. He was particularly concerned about the HEXAGON piggy back versions weighing 1200 and 875 pounds. He asked about the 600 lb version which had been proposed in the past; we said that there was not now any 600 lb option because the current design of essentially similar performance is now represented by the 875 lb option. We went over with Dr. Garwin the material in the Director's Report for the 23 Apr 71 ExCom, and pointed out that the 1600 lb SPIN SCAN with dedicated booster (ATLAS F) was selected as a final candidate over the lighter weight versions on the basis of image quality, coverage, and freedom to select the desired orbital inclination. Dr. Garwin still expressed a desire to

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reexamine the smaller SPIN SCAN solutions. He asked the following specific questions:

- a. Can HEXAGON carry into orbit two 875 lb SPIN SCANS or two 1200 lb SPIN SCANS?
- b. What are the capabilities of the above (resolution, area coverage)?
- c. What are the program costs and schedules for the above, including unit costs?

I agreed to furnish answers to Dr. Garwin's questions. He and Dr. Martin are coming to the Pentagon tomorrow morning at 0900 to receive the answers. Maj Craig and Maj Alser are assembling the information. I have given them the following ground rules:

- a. No new information is to be assembled.
- b. All data on performance and cost is to be extracted from the 23 April 71 ExCom Director's Report and the SP presentation to the Land Panel on interim crisis response systems.

Cavid D. Bradburn
Colonel, USAF

Some time ago and also a week ago I expressed to Don Steininger by view that the south SPIN SCAN which did not need COMIREX resolution requirements was a better pelection for interior crisis reconnaisance than one as potent as FROG. I would guess be told Dick Garwin about it. All



