

OPERATIONS STAFF ROUTING

FROM: [redacted] DATE: 2 JUL 1963

Sequence	Unit	
1	Chief, Ops Staff	[redacted]
2	Dep/Ch, Ops Staff	
3	Chief, OCB	
	Chief, BB	
	Chief, PAB	
	Chief, SB/PAG	
4	[redacted]	

REMARKS:

*A.O. received a copy*

**OPS FILES**

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S-E-C-R-E-T

CWG-BK-31  
28 June 1963  
Copy 21 of 35

MEMORANDUM FOR: Chairman, COMOR

SUBJECT: BRASS KNOB Coverage of Cuba

1. Attached are the following:
  - a. a table showing BRASS KNOB coverage of the COMOR Highest Priority Targets for Cuba during 1 - 26 June.
  - b. a table showing BRASS KNOB coverage of all COMOR targets during the same period.
  - c. a map showing the locations of the COMOR targets with arrows indicating those not covered during 20-26 June.
2. During 20-26 June, 7 BRASS KNOB missions were flown, and 68 percent of the total land area of Cuba was covered by photography with 25 percent or less cloud cover. This decline in coverage was caused by poor weather and aborted missions. During 20-26 June, 21 of the COMOR targets were not adequately covered, of which 3 were in the highest priority category.



50X1

Chairman  
COMOR Working Group

Group 1  
Excluded from automatic down-  
grading and declassification

S-E-C-R-E-T

Attachment 4 to CWG-BK-31

BRASS KNOB Coverage of Highest Priority Targets during 1 - 26 June 1963

SECRET

TARGET	DATES																															TOTAL SORTIES	DAYS COVERED		
	**	2	3	4	**	6	7	8	9	10	**	12	13	14	**	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Siguanea Cruise Missile Site							1					1		1	1	*		1	1	1														7	7
Banes Cruise Missile Site												1	1			*		1	1															4	4
Santa Cruz del Norte Cruise Site	1	1					1	1	1		1	*			1	1	1	1	1	1	1	1	*										13	13	
Camilo Cienfuegos Airfield	*				1	1	1				*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6
Camaguey Airfield	*						1				1	1	1		*	1	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	
Holguin Airfield											*	1	1	1	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	
San Antonio de los Baños Airfield	1	*	*		*	2	1	1			*				1	1		*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	9		
Mariel Naval Base	1	*	*		1	*	1	*			1	*	1	1	*	1	*	*	*	*	*	*	*	2	1	*						10	10		
Banes Naval Base											1	1			*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3		
Cienfuegos Naval Base	2			*	1	1				2	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	14	12			
Santiago de Cuba Port										*	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	5	5			
La Isabela Port	1			1	*	*	*	*		*	1	1	1	*	1	*	1	*	1	*	*	*	*	*	*	*	*	*	*	*	8	5			
Casilda Port	1			1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7			
Matanzas Port	1	*	*		*	2	1	*	1		*	1	1	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	9			
Havana Port	1	*	*		1	1	1	*	1	*	*	1	1	*	1	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	13			
Guantanamo Area											*				1	1	1	*	1	1	1	1	1	1	1	1	1	1	1	1	4	4			
Pinar del Rio Military Camp	*	1				*					*	1	1		1	1															5	5			
Artemisa Military Camp	*				*	2	1	*		*		*	1	1		1	1		*	*	*	*	*	*	*	*	*	*	*	*	6	5			
Holguin Military Camp				1	1					2		*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	4			
Camaguey Military ***	*					1				1	1	1		1	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6			
Remedios Military Camp	1			1		1				1	1	1	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	8				
Santiago de las Vegas Military Camp	1	*		*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6			
Lourdes (Torrens) Army Camp	* 1			1	1	1				*		*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8				
Limonar Military Camp	1					2	1			1			1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	9				
	*									*	1	1	1	1	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*	4	4				
Managua Ammo. Storage	*	1			1	1	1	1	1	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	11				
Bejucal Ammo. Storage	1	1			1	2	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	14				
	*					*				*	1	1	1	*	1	*	1	*	*	*	*	*	*	*	*	*	*	*	*	5	5				

\*A numeral indicates the number of times on the date shown that the entire target area was photographed without significant cloud cover, haze, or image degradation. Partial coverage of the target on that date is indicated by an asterisk. Where there is no number or asterisk, the target may have been overflowed but no useable photography was obtained.

\*\*BRASS KNOB missions for 1, 11 and 15 June were cancelled because of bad weather  
Numbers under 5 June represent \_\_\_\_\_ missions

\*\*\*Added to COMOR List  
Declassified in Part - Sanitized Copy Approved for Release 2014/05/01 : CIA-RDP78B05167A000800110010-4

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Attachment B to CWG-BK-31

SECRET

BRASS-KNOB Coverage of ALL COMOR Targets  
During 1 - 26 June 1963

TARGET	DATES																															TOTAL	SORTIES	DAYS COVERED			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
San Cristobal MRBM No. 1	1	1				1		1							1	1	1						1	1										9	9		
San Cristobal MRBM No. 3	1					1	1	1		1					1	1					1	1	1	1										11	11		
Guanajay IREM No. 1	1	1	1			1	2	1	1						1	1				1	1	1	1	1										16	15		
Segua La Grande MRBM No. 1	1					1		1		2	1	1	1	1	1					1	1	1		1	1									10	9		
Segua La Grande MRBM No. 2	1				1	1	1	1		2	1	1	2	1	1	1				1	1	1		1	1									16	14		
Remedios IREM Site	2					1		1		1	1	1	1	2	1	1	1					1	1											12	10		
San Cristobal MRBM No. 4	1					1	1	1		1		1	1	1								1	2	1										11	10		
Guanajay IREM No. 2	1	1	1			1	2					1		1	1					1	1	1	1	1										14	13		
Tapaste Storage	1	1				1	2	1						1	1							1	1	2	1	1								14	12		
Santa Lucia SAM No. 1	1					1				1												1	1	1										5	5		
San Julian SAM	1	1				1				1												1	1	1										7	7		
La Coloma SAM	1	1				1									1							1	1	1	1									7	7		
Maribel SAM	1					1	1	1				1	1	1	1							1	1	1										11	11		
Matanzas SAM	1					1	2	1						1	1	1						1	1	1										11	10		
Cienfuegos SAM	2					1	1			2	1		1	1	1							1	1	1	1	1								13	11		
Segua La Grande SAM						1	2						2	1	1								1	1										9	7		
Caibarien SAM	2						1			2	1	1	2	1	1									1	1										12	9	
Sancti Spiritus SAM							1			1	1	1	1	1	1							1	1	1											8	8	
Los Angeles SAM					1						2	1			1	1							1	1											7	6	
Jiguani SAM										2	1				1																					4	3
Siguanea SAM							1				1	1	1	1	1								1	1	1	1									9	9	
Manzanillo SAM										2				1	1																					4	3
Manati SAM										1	1		1	1	1							1	1	1											8	8	
Chambas SAM							1			2	1				1								1	1	1	1									8	7	
Esmeralda SAM	1						1			2	1			1	1							1	1												7	6	
Santiago de Cuba SAM											2			1	1	1							1												6	6	
Santiago de Cuba SAM Assembly Area											1			1	1	1							1	1	1										6	6	
Deleite SAM No. 1	1					1	1			1				2									1	1	1	1									12	11	
Santiago de las Vegas SAM Area	2	1				1	2	1		1			1	1	1	1							1	1	1	1									15	13	
Ciego de Avila SAM	1						1			2	1	1	2	1	1	1	1						1	1	1										13	11	

50X1

SECRET

GROUP 1  
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downgrading and declassification

June 1963

SECRET

TARGET	DATES																															TOTAL SORTIES	DAYS COVERED			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
Pinar del Rio SAM Assembly Area	1																																		4	4
Ciego de Avila SAM Assembly Area	1							1			1						1	1	1	1	1													10	10	
Cifuentes SAM Assembly Area	1										1						1	1																4	4	
Victoria de las Tunas SAM Area												1					1	1			1	1												5	5	
Maldonado SAM												1	1				1	1	1		1													8	8	
Camaguey SAM A/F								1				1	1	1			2	1	1		1													10	9	
Holguin SAM												1	1				1	1	1		1	1												8	8	
Managua SAM	1						1	2	1								1				1	1	1		1	1								11	10	
Majana SAM	1	1					1	2	1								1	1	1		1	1		1	1	1								12	10	
Siguanea Cruise Missile								1					1				1	1					1	1	1									7	7	
Banes Cruise Missile												1	1										1	1											4	4
Santa Cruz del Norte Cruise Missile	1	1					1	1	1			1					1	1		1	1	1	1	1										13	13	
Campo Florido Poss. Cruise Missile	1	1					1	1	1			1					1	1	1	1	1	1	1	1										13	13	
Guerra Poss. Cruise Missile	1						1		1			1	1				1	1	1		1	1	1											11	11	
Camillo Cienfuegos A/F							1	1	1								1	1																	6	6
Camaguey A/F								1				1	1	1			1																		6	6
Holguin A/F												1					1	1	1		1														5	5
Los Canos A/F												2	1				1	1	1	1		1													8	7
Preston A/F												2	1				1	1	1	1	1														9	8
Siguanea A/F								1					1				1	1	1				1	1	1										9	9
Antonio Maceo A/F												1	1				1	1	1				1												7	7
Coronel Pascual A/F								2	1			1					1	1	1	1	1	1	1	1											14	13
San Antonio de los Banos A/F	1							2	1	1							1	1				1	1	1										10	9	
San Julian A/F	1	1						1									1						1	1											6	6
Jose Marti International A/F	2	1	1				1	2	1	1		1				1	1	1	1	1	1	1	1	1	1									20	18	
Campo Libertad A/F	2	1	1				1	2	1	1		1				1	1	1	1	1	1	1	1	2	1									20	17	
Playa Baracoa	2	1	1				1	2	1	1		1				1	1	1	1	1	1	1	2	1										20	17	
Col. Martin Marrero A/F								1					1	1			1	1					1	1											6	6
Jaime Gonzales A/F	2						1	1	1		2	1				1	1	1		1	1	1	1											15	13	
Bayamo East A/F											2						1																		3	2

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June 1963

SECRET

TARGET	DATES																															TOTAL	SORTIES	DAYS COVERED			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Pinar del Rio A/F	1	1					1					1	1			1	1						1	1											9	9	
Trinidad A/F	1				1		2	1						1	1	1	1		1	1	1														11	10	
Mariel Naval Base	1					1	1						1			1	1				1		2	1											10	9	
Banes Naval Base												1	1								1														3	3	
Punta Alegre Port	1							1		2	1				1	1	1	1	1		1	1	1	1	1	1	1								13	12	
Baracoa Port											1				1	1					1														4	4	
Cienfuegos Naval Base	2						1	1		2	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								14	12	
Manzanillo Port										2					1	1					1														5	4	
Moa Port											1				1						1														3	3	
Santiago de Cuba Naval Base											1			1	1	1	1																		5	5	
Huevitas Port										2	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1								9	8	
Nueva Gerona Naval Port							1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							8	8	
La Isabela Port	1				1							1			1	1	1	1	1	1	1	1	1	1	1	1	1	1							8	8	
Calbarien Port	2						1			2	1			2	1	1	1	1	1	1	1	1	1	1	1	1	1	1								15	12
Cardenas Port									2	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1								14	13
Casilda Port	1				1	1	1	1							1	1	1	1	1	1	1	1	1	1	1	1	1	1							7	7	
Jucaro Port	1						1			2	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								10	9	
Santa Lucia Port		1					1	1	1	1					1						1	1	1	1	1	1	1								8	8	
Matanzas Port	1							2	1	1						1	1	1	1	1	1	1	1	1	1	1	1								10	9	
Surgidero de Batabano Naval Port	2	1				1	2	1	1	1					1	1	1	1	1	1	1	2	1	1	1	1	1	1							18	15	
Havana Naval Base	1						1	1	1		1				1	1	1	1	1	1	1	1	1	1	1	1	1	1							13	13	
La Coloma Port	1	1					1	1							1	1	1	1	1	1	1	1	1	1	1	1	1	1							12	12	
Cabanas Port	1	1				1	2	1							1	1	1	1	1	1	1	1	1	1	1	1	1	1							15	14	
Bahia Honda Port	1				1	1	2	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1	1							14	13	
Puerto Padre Port Fac. (Juan Claro)												1			1	1	1	1	1	1	1	1	1	1	1	1	1								6	6	
Havana Rdo. Sta. San Augustin	2	1	1				1	2	1				1		1	1	1	1	1	1	1	1	1	1	1	1	1								18	16	
Guantanamo Area															1	1	1	1	1	1	1	1	1	1	1	1	1								4	4	
Manzanillo Military Camp																																			0	0	
Pinar del Rio Mil. Installation		1													1	1									1	1									5	5	
San Antonio de los Baños Mil. Stor.							1	1					1		1	1										1	1								7	7	

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SECRET

June 1963

TARGET	DATES																															TOTAL SORTIES	DAYS COVERED		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Artemisa Army Camp										2	1						1	1																6	5
La Boca Military Camp	1	1	1						1	2	1	1				1	1	1		1	1	1	1	1	1								16	15	
Bahia Honda Military Camp		1								1	1	1				1	1	1			1		1		1								10	10	
Maribel Military Camp (Loma Gobernadora)										1	1						1	1		1	1	1	1	1									8	8	
Holguin Military Camp						1	1						2				1		1															6	5
Camaguey Military Camp										1		1	1	1			1		1															7	7
Ofelia Military Camp																	1	1	1															3	3
El Jucaro Military Camp											1	1	1			1	1	1	1															6	6
Remedios Military Camp	1									1		1	1	1		2																		9	8
Alto Cedro Military Camp											1	1				1	1	1	1															6	6
										1	1					1	1	1	1	1	1	1	1	1	1									13	13
										2	1	1				1	1	1	1	1	1	1	1	1	1									17	16
Santiago de las Vegas Tank Park	1									1						1								1	1	1								6	6
San Jose de las Lajas Mil. Camp	2	1															1	1					1	1	1	1								14	12
Torreans (Lourdes) Army Camp		1									1	1	1				1						1	1	1	1								8	8
Santa Clara Military Activity	1						1			1							1	2	1			1		1										10	9
Madruza Military POL Storage	1										2	1					1	1	1	1	1	1	1	1	2	1								13	11
Limonar Military Camp	1										2	1	1				1	1					1	1	1									10	9
Camaguey Military Training Camp											1		1	1	1		1	1	1															9	9
San German DEO Caridad Finca												2	1				1	1	1	1	1													8	7
Victoria de las Tunas Mil. Training												1	1				1	1	1	1														6	6
Managua Military Inst.	2									1	2	1	1	1		1							1	1	1	2	1	1						14	14
El Cristo Military Area												1	1			1	1	1	1															6	6
Santa Fe *Isla de Pinos) Mil. Area													1	1	1								1	1										5	5
Cayo Largo Island Military Area																								1	1	1								3	3
Maxazano Military Area	2	1									1	1	1										1	1	1	1	1	1						14	13
Campo Florido Military Camp		1									1	1	1	1			1	1	1	1	1	1	1	1	1	1								14	14
Bajirayabo military Area	1	1										1	2	1			1	1	1	1	1	2	1	1										16	14
Guanabacoa Military Area	2	1									1	2	1	1			1	1	1	1	1	2	1	1										17	14
Mestanza Explosive Storage Site	1	1									1						1					1	1	1	1									7	7

50X1

50X1

GROUP 1  
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June 1963

SECRET

TARGET	DATES																															TOTAL SORTIES	DAYS COVERED		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Loma de Tierra Military Area	2	1					1	2	1	1	1									1	1	1	1	1	1								15	13	
Havana Area Military Camp	2	1					1	2	1	1	1	1								1	1	1	1	1	1	1							15	13	
Las Mercedes Military Camp										2						1	1																4	3	
Guane Military Camp	1																						1	1									3	3	
Zaragoza Area Military Camp***															1							1	1	1	1	1							5	5	
Holguin Military Area West***														1	1	1					1	1											6	6	
Holguin Military Area Encampment***										1																							2	2	
San Jose de las Lajas Storage***												1	1	1	1	1								2	1	1							11	10	
La Jutia Military Installation***												1	1	1	1	1							1	1	1	1							10	10	
El Criallo Military Camp***											1					1	1	1					1	1	1								8	8	
Minas Area Military Camp***																1	1	1						2	1	1							8	7	
Camp Cantel (Cardenas) Mil. Area***																1	1						1	1	1								6	6	
Havana Vehicle Park***																1																		8	7
Lomas Tetas de Managua Tank Park***																1	1	1					1	1	2	1	1						10	9	
Trinidad Foss. Military Hdqs.***																								1	1	1								3	3
Guantanamo Area (Martin Nosa) Mil. C.***																																		7	7
Altagracia Military Area ***																							1	1										4	4
Guanabana Area Military Activity***																																		6	6
Idmonar Tank Training Area***																																		7	7
San Diego de Nunez Mil. Camp***																																		4	4
Buena Vista Mil. Camp***																																		3	3
Cienfuegos(Anton Recio)Tank Park***																																		6	6
Matanzas (SE)Guanabana***																																		9	9
Ceiba Mocha Military Area ***																																		5	5
Honar del Nino Military Area ***																																		3	3
Pinar del Rio (City) Poss. Mil. Area																																		3	3
Consolacion Del Sur Mil. Hdqs.***																																		1	1
Minas (Camaguey) ***																																		3	3
Special Area Alpha	2	1						1	2	1	1																						15	13	
Special Area Hotel	1	1	1					1	2	1	1																							16	15

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June 1963

SECRET

TARGET	DATES																															TOTAL	DAYS COVERED			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
	SORTIES																																			
Special Area Bravo Blue	1	1					2	1	1				1			1	1			1	1		1	1										13	12	
Special Area Bravo Red	2	1				1	2	1					1							1	1	1		1	1									14	12	
Special Area Victor	2	1	1			1	2	1	1		1	1			1	1			1	1	1		1	1	1	1								19	17	
Special Area Tango	1	1	1			1	2	1	1			1	1	1			1	1	1		1	1	1	1	1									17	16	
Landing Beach (Siboney)											1	1			1	1	1																	6	6	
Landing Beach (Playa Yateritos)											1			1	1	1			1															5	5	
Landing Beach (Tarara)	1	1				1	2	1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	17	
Matanzas Landing Beach	1	1				1	2	1	1		1			1	1	1		1	1	1		1	1	1										15	14	
Peninsula de Hicacos Landing Beach	1						2	1			1			1	1	1		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	14	13	
Cienfuegos Landing Beach	2					1	1	1			2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	14	
Mar Verde Beach											1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	7	
Ensenada Colorado Beach	2					1	1	1			2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	14	
Playa Colambo Landing Beach								1				1	1	1											1	1								6	6	
Playa de Flamencos Landing Beach								1				1	1	1										1	1									6	6	
Nicarao Beach											2	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	6	
											1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	
																																			15	14
Managua Ammo. Storage							1	1	1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	11	
Rejuical Ammo. Storage							1	1	1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	14	
Bara Jamaa Storage (La Rosita Area)							1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	13	
											2			1	1	1																		4	3	
											1			1	1	1																		3	3	
							1		1	2	1		1		1	1	2	1								1								12	10	
							1		1	1			1	1	1									1	1									8	8	
											2	2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	6	
											1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	
							1	1		1	1	1		1	1	1								1	1									9	9	
											1	1		1	1	1																		4	4	
											2			1	1	1																		5	4	
											2			1	1	1																		4	3	

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