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File Name (TITLE): Transmittal of Instrument Chart,
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TO: Distribution
FROM: Robert H. Campbell, TU 10
SUBJECT: TRANSMITTAL OF INSTRUMENT CHART, OPERATION IVY

Transmitted herewith is the third and final edition of the Instrument Chart for Operation IVY.

Additional copies, if needed, may be obtained from this office.

Robert H. Campbell

Robert H. Campbell
CTU 10

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RG 326 US ATOMIC ENERGY COMMISSION

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MICROFILM REEL 1-450 SEP 30

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TIME SIGNALS FROM EXERCISES, OPERATIONS & OTHER SIGNIFICANT TIME

TIME	TIME
-30 Min	-30 Sec.
-15 Min	-15 Sec.
-5 Min	-5 Sec.
-1 Min	0 (Blue Box)
-30 Sec.	± 1 Sec.
-15 Sec.	± 1 Sec.
-5 Sec.	± 1 Sec.
-1 Sec.	± 1 Sec.
0 (Blue Box)	

COORDINATES AS LISTED ARE IN THE ENVIRONMENT'S GRID SYSTEM WHICH COVERS THE ENTIRE
ATOLL. THERE IS NO SIMILAR COORDINATION BETWEEN THIS SYSTEM AND THOSE GRID SYSTEMS
USED IN PREVIOUS OPERATIONS.

NOTE

TIME	TIME	NOTE
M17,170.00	Height of Burst - Elevation 20.24'	
8 67,790.00		
M106,150.00	Height of Burst - Elevation 1500'	
M128,130.00		

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RS 3466-14756

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No 27 of 40 pages. Series 11

17-13524

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SITE CODE

ISLAND	CODE NAME
Agulhas	Alice
Agulhas	Belle
Bahia	Clara
Bahia	Daisy
Bahia	Eva
Bahia	Florence
Bahia	Gina
Bahia	Helen
Bahia	Irene
Bahia	Janet
Bahia	Kate
Bahia	Levy
Bahia	Mary
Bahia	Olivia
Bahia	Paula
Bahia	Ruby
Bahia	Sally
Bahia	Tilda
Bahia	Ursula
Bahia	Vera
Bahia	William
Bahia	Yvonne
Bahia	Zona
Bahia	Alvin
Bahia	Bruce
Bahia	Clyde
Bahia	David
Bahia	Elmer
Bahia	Frank
Bahia	Glen
Bahia	Henry
Bahia	Iris
Bahia	Jane
Bahia	Keith
Bahia	Levy
Bahia	Mark
Bahia	Oscar

MICROFILM REEL 1450 SEP 30

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THIS DOCUMENT CONTAINS INFORMATION RELATIVE TO THE ATOMIC ENERGY ACT OF 1954 WHICH IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE IN ANY MARGIN TO AN UNAUTHORIZED PERSON IS PROHIBITED

Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	NBS Dwg. No.	Remarks
									Volts	Ω	KW.				
1	F	-	-	N147, 750 E 67, 790	Mike		T.U.4	Tower Cab - 46' x 46' x 62' high steel structure with 20 ton crane inside				b		1024-F-3 Rev. 2	
2	"	294	117-11-00	-	"		" " "	Auxiliary building for sub-assembly and repair work - 48' x 24' x 8' high frame structure with 1 dehumidified room				3	None	1034-F-3 Rev. 1	Location sealed from drawing, not accurate
3	"	287	255-04-00	-	"		" " "	Tritium storage hmb-8' x 12' x 7' high frame structure with power exhaust system				None	None	1027-F-3 Rev. 1	Location sealed from drawing, not accurate
4	"	37	16-25-00	-	"		" " "	Telemetry building - 16' x 32' x 8' high frame structure with special generators and dehumidified room				1		1037-F-3 Rev. 1	Location sealed from drawing, not accurate
5	"	51	2-21-00	-	"		H. G. AD	Control timing station, firing center and television transmitter - 24' x 32' x 8' high frame structure, entirely dehumidified				2		1054-F-3	Location sealed from drawing, not accurate
6	"	223	349-33-00	-	"		" " "	Television antenna - Mast with 2 discs 375' high				None	None	6099-F-3 Rev. 1	Location sealed from drawing, not accurate
7	"	7.65	343-54-54	-	"		T.U.4	Reflex. Beam & Support				"	"	6110-F-3	Location sealed from drawing, not accurate

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description			Power			Phase	Timing Signal	N&N Obj. No.	Remarks
											Volts	Ω	K.W.				
10	J	18,992.8	98-25-58	N144,964.72 E 86,577.47		11.2	AFSEP	Seismograph Pier	Existing GREENHOUSE structure 771	None	None	None	None	None	None	None	Location given from film base
11	B	4191.32	243-34-01	N145,819 E64, 070					6' x 6' x 3' deep concrete block in wooden hmb								(052-2-3)
12	Y	75,404.3	127-35-28	N101,751.71 E127,539.19					Existing GREENHOUSE structure 775								
13	LL	83,869.61	205-00-33	N71,744 E32, 333					6' x 6' x 3' deep concrete block in wooden hmb								(052-2-3)
14	77								Existing GREENHOUSE structure 775	110	1	2					

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MICROFILM REEL 1 & 5 0 SEP 30

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1517

Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signal	M&M Dig. No.	Remarks
									Volts	Ω	KW.				
50	Y rec			N106,150.00 E124,130.00	Flag	-	-	Primary Target Array of oil drums on posts	None	None	None	None	None		
51	Y	1900.00	280-00-00	N106,250.00 E124,130.00	"	"	"	Secondary Target Black & white ball with radar reflector at center							
52	LL				"	"	"	Radar Reflector							
53	ME	TO BE LOCATED IN FIELD			None & Flag	"	"	"							

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MICROFILM REEL 2 45 0 SEP 30

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phone	Timing Signals	NBM Dig. No.	Remarks
									Volts	Ω	KW				
120	7	4.33'	343-54-54		Mike	1.2	J-11	Internal Nuclear Detector Measurements Thallium plate attached to outside SECRET	None	None	None	None	None	None	

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1519

Sta No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&M Dig. No.	Remarks	
									Volts	Ω	K.W.					
200	I	9000	73-54-54	N150, 243.57 E 76, 437.66	Mike	2	KRIK	Recording Station	52' x 44' x 14' concrete structure				5	5	2059-1-19 2072-1	
201	F	5.23	73-54-54		"	"	"	Shield Assembly					None	None		
202	I	8971.00	73-54-54	N150, 235.54 E 76, 409.80	"	"	"	Detector House					1			
203.01	F-0	1771.00	"	N148, 240.64 E 69, 491.66	"	"	"	Baffle	8' x 8' x 9" lead wall	None			None	None		
203.02	0	3571.00	"	N148, 739.39 E 71, 221.20	"	"	"	"	"	"			"	"		
203.03	B-1	6271.00	"	N149, 487.46 E 73, 815.50	"	"	"	"	"	"			"	"		
203.04	I	7621.00	"	N149, 861.50 E 75, 112.65	"	"	"	"	"	"			"	"		
203.05	"	8296.00	"	N150, 048.52 E 75, 761.22	"	"	"	"	"	"			"	"		
203.06	"	8635.00	"	N150, 142.44 E 76, 046.95	"	"	"	"	"	"			"	"		
203.07	"	8803.00	"	N150, 188.99 E 76, 248.37	"	"	"	"	"	"			"	"		
203.08	"	8887.00	"	N150, 212.26 E 76, 329.08	"	"	"	"	"	"			"	"		
203.09	"	8932.00	"	N150, 224.73 E 76, 372.32	"	"	"	"	"	"			"	"		
204	F-1	---	73-54-54	----	"	"	"	Gas House	8' x 8' x 9000' Plywood Box							Runs from Sta. 201 to Sta. 202.

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dep. No.	Remarks
									Volts	Ω	K.W.				
250	Y	5,757.88	158-21-14.9	N103,067.64 E126,792.05	King	2	NRK	Recording Station Existing GREENHOUSE Structure 6a					59		
251	Y	2000	167-08-37.	N106,297.34 E128,963.08	"	"	"	Alpha Station Timber structure 8' x 4' x 13'							
252	Y	5630.31	151-53-14	N103,007.56 E126,577.29	"	"	"	Recording Station Existing GREENHOUSE structure 6b					59		

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Sta No.	Sta	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&M Dig No.	Remarks	
									Volts	Ω	KW					
300	A	17,347.37	239-26-46	N 136,931.64 E 26,021.11	M	J-15	J-15	Hot Spot Bomb Case Motion	Concrete structure 12' x 12' x 24' high inside, walls 5' thick	208	3	25	4	-5 Min or -1 Min -5 Sec "0" 6 Ydus	6047-4-3	Connector to g- nogo system. } phones on island net, other on Sta. 1 mirror mount net.
301	XM	114,509.92	145-10-20	N 53,752.00 E 133,188.00	"		X.O.G.	Ball of Fire Cloud Rise Illumination vs. Tide Rheanometer	Standard X.O.G. photo cab on strengthened photo tower 125' high (K.M.s) mass platforms at 100' & 113' for Sta. 805)				3	3	6093-22	Used for Mike 4 & King, phone at bottom with exten- sions at top of tower and on Sta. 805 at 100' level.
	XM	55,146.98	170-32-46	"	X			Ball of Fire Cloud rise Illumination vs. Tide Rheanometers Survey camera					"	"		
302	XM	113,752.30	144-55-46	N 54,650.00 E 133,150.33	M			Ball of fire Cloud rise	Array of cameras on concrete pier 4' x 4' x 25'				1	2		
303	J	19,435.00	101-07-09	N 144,001.97 E 85,860.22	"			Low Air Mass Motion Ball of fire Water wave motion	Concrete piers on roof of Sta. 1001.01 (Existing GREENHOUSE structure 69)	None	None	None	1	-15 Min -15 Sec -1.5 Sec		
304	00	25,469.32	251-20-15	N 100,000.00 E 100,000.00	King			Height of burst		None	None	None	None	Blue box		ED & G provides rack to mount theodolite
305	U	53,013.13	112-41-26	N 127,300.00 E 116,700.00	Mike			Water wave motion	Concrete pier approx. 4' high	None	None	None		See note		One pair #4 wires run to Sta. 1001.02
306	U	53,122.00	112-09-43	N 127,710.92 E 116,987.42	"			Low air mass motion High air mass motion	Concrete pier on roof of Sta. 1001.02 (Existing GREENHOUSE structure 69)	None	None	None	1	-15 Sec		
	"	20,824.2	339-56-26	"	King			Low air mass motion Height of burst	"					-15 Sec Blue box		
307	Y	75,312.3	127-37-33	N 101,771.71 E 127,438.53	Mike			Low air mass motion Water wave motion	Concrete pier on roof of Sta. 1001.03 (Existing GREENHOUSE structure 69)	None	None	None	1	-5Sec		
308	M	115,043.11	145-49-35	N 52,570.31 E 132,410.00	"			Air Mass motion		None	None	None	1			

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Sta. No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Tuning Signals	MMI Dwg. No.	Remarks
									Volts	Ø	K.W.				
330	F	9.587	163-54-54	-----	M	3-3	J-15	Hot Spot Array of pipes in Sta. 1	110	1	5	1	-1 Min 0		
331.01	"	106.00	181-24-54	N147,644.03 E 67,787.34	"	"	"	Mirror mount	"	"	0.5	Note	None	6118-F-3 Rev. 1	Phone Jack on each mount. One portable instrument will serve all mounts
331.02	"	140.00	176-24-54	N147,610.27 E 67,794.75	"	"	"	"	"	"	"	"	"	"	"
331.03	"	173.00	171-24-54	N147,578.94 E 67,825.82	"	"	"	"	"	"	"	"	"	"	"
331.04	"	200.00	162-24-54	N147,559.35 E 67,850.42	"	"	"	"	"	"	"	"	"	"	"
331.05	"	231.50	156-24-54	N147,537.84 E 67,882.63	"	"	"	"	"	"	"	"	"	"	"
331.06	"	265.00	151-24-54	N147,517.30 E 67,916.79	"	"	"	"	"	"	"	"	"	"	"
331.07	"	300.00	146-24-54	N147,500.08 E 67,955.95	"	"	"	"	"	"	"	"	"	"	"
332	"	340.50	139-54-54	N147,489.49 E 68,009.26	"	"	"	Telephone Pole 20' High	"	"	"	"	"	"	"
333.01	"	562.89	230-32-47	N147,392.31 E 67,355.37	"	"	"	Optical Baffle	None	None	None	None	None		
333.02	"	576.31	227-20-02	N147,379.42 E 67,366.23	"	"	"	"	"	"	"	"	"		
333.03	"	585.73	224-02-46	N147,328.99 E 67,382.78	"	"	"	"	"	"	"	"	"		
333.04	"	576.71	220-18-48	N147,310.25 E 67,416.89	"	"	"	"	"	"	"	"	"		
333.05	"	575.16	216-33-31	N147,289.61 E 67,448.60	"	"	"	"	"	"	"	"	"		
333.06	"	569.96	212-37-09	N147,269.94 E 67,482.76	"	"	"	"	"	"	"	"	"		
333.07	"	502.62	203-55-20	N147,290.56 E 67,546.19	"	"	"	"	"	"	"	"	"		
334	A Reef	16,742.43	239-26-80	N139,237.19 E 53,373.31	"	"	"	"	"	"	"	"	"		
335	A	17,223.33	239-26-80	N136,969.76 E 52,917.02	"	"	"	"	"	"	"	"	"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phone	Timing Signals	HSN Dig No.	Remarks
									Volts	Ω	KW				
390.01	J	TO BE DECIDED IN THE FIELD			Nike	--	T.U. 9	Camera Station	Hole in ground 1 1/2' diam. 1' deep	None	None	None	None	Blue Box	None
390.02	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.03	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.04	Y	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.05	ED	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.06	ME	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.07	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.08	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.09	FW	"	"	"	"	"	"	"	"	"	"	"	"	"	"
390.10	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"

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Sta No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
411.01	F	600	249-51-00	N147,543.31 E 67,226.72	Mike	4.1 4.2	J-12	Slow neutron observations High Energy neutron observations	Stake, 2" pipe 4' above ground	None	None	None	None	None	
411.02	Reef	750	"	N147,491.64 E 67,065.90	"	"	"	"	Stake, 2" pipe 4' above high tide	"	"	"	"	"	
411.03	"	900	"	N147,439.97 E 66,945.09	"	"	"	"	"	"	"	"	"	"	
411.04	"	1050	241-09-00	N147,243.36 E 66,870.32	"	"	"	"	"	"	"	"	"	"	
411.05	"	1200	"	N147,170.98 E 66,734.94	"	"	"	"	"	"	"	"	"	"	
411.06	"	1350	"	N147,098.60 E 66,607.55	"	"	"	"	"	"	"	"	"	"	
411.07	"	1500	"	N147,026.22 E 66,476.17	"	"	"	"	"	"	"	"	"	"	
411.08	"	1650	"	N146,953.85 E 66,344.79	"	"	"	"	"	"	"	"	"	"	
411.09	"	1800	"	N146,881.47 E 66,213.41	"	"	"	"	"	"	"	"	"	"	
411.10	"	1950	"	N146,809.09 E 66,082.02	"	"	"	"	"	"	"	"	"	"	
411.11	"	2100	"	N146,736.71 E 65,950.64	"	"	"	"	"	"	"	"	"	"	
411.12	"	2250	"	N146,664.34 E 65,819.26	"	"	"	"	"	"	"	"	"	"	
411.13	"	2400	"	N146,591.96 E 65,687.87	"	"	"	"	"	"	"	"	"	"	
411.14	"	2550	"	N146,519.58 E 65,556.49	"	"	"	"	"	"	"	"	"	"	
411.15	"	2700	"	N146,447.20 E 65,425.11	"	"	"	"	"	"	"	"	"	"	
411.16	"	2850	"	N146,374.82 E 65,293.73	"	"	"	"	Stake, 2" pipe 4' above high tide	"	"	"	"	"	
411.17	"	3000	"	N146,302.45 E 65,162.34	"	"	"	"	"	"	"	"	"	"	

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	NBN Log No.	Remarks
									Volts	Ω	KW.				
411.18	Reef	3200	263-99-09	N 146, 230.07 E 65, 030.96	Like	4.1 4.2	J-12	Slow Neutron Observations Stake, 2 nd pipe High Energy Neutron Observations 4' above high tide	None	None	None	None	None		
411.19	"	3300	"	N 146, 157.69 E 64, 899.54	"	"	"	" " " " " " " "	"	"	"	"	"		
411.20	"	3400	"	N 146, 085.31 E 64, 764.19	"	"	"	" " " " " " " "	"	"	"	"	"		
411.21	"	3600	"	N 146, 012.94 E 64, 636.81	"	"	"	" " " " " " " "	"	"	"	"	"		
411.22	"	3700	"	N 145, 940.56 E 64, 505.43	"	"	"	" " " " " " " "	"	"	"	"	"		
411.23	Reef	3800	"	N 145, 864.18 E 64, 374.04	"	"	"	" " " " " " " " 4' above high tide	"	"	"	"	"		
411.24	"	3900	"	N 145, 795.80 E 64, 242.66	"	"	"	" " " " " " " "	"	"	"	"	"		
411.25	"	4000	"	N 145, 723.43 E 64, 111.28	"	"	"	" " " " " " " "	"	"	"	"	"		
411.26	"	4350	"	N 145, 651.05 E 63, 979.90	"	"	"	" " " " " " " "	"	"	"	"	"		
411.27	"	4500	"	N 145, 578.67 E 63, 848.51	"	"	"	" " " " " " " "	"	"	"	"	"		
411.28	"	4650	"	N 145, 506.29 E 63, 717.13	"	"	"	" " " " " " " "	"	"	"	"	"		
411.29	"	4800	"	N 145, 433.91 E 63, 585.75	"	"	"	" " " " " " " "	"	"	"	"	"		
411.30	"	4950	"	N 145, 361.54 E 63, 454.36	"	"	"	" " " " " " " "	"	"	"	"	"		
411.31	"	5100	"	N 145, 289.16 E 63, 322.98	"	"	"	" " " " " " " "	"	"	"	"	"		
411.32	"	5250	"	N 145, 216.78 E 63, 191.60	"	"	"	" " " " " " " "	"	"	"	"	"		
411.33	"	5400	"	N 145, 144.40 E 63, 060.22	"	"	"	" " " " " " " "	"	"	"	"	"		
411.34	"	5550	"	N 145, 072.03 E 62, 928.83	"	"	"	" " " " " " " "	"	"	"	"	"		
411.35	"	5700	"	N 144, 999.65 E 62, 797.45	"	"	"	" " " " " " " "	"	"	"	"	"		
411.36	"	5850	"	N 144, 927.27 E 62, 666.07	"	"	"	" " " " " " " "	"	"	"	"	"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	MSR Exp. No.	Remarks	
									Volts	Ω	K.E.					
411.37	Reef	6000	241-09-00	N144, 854.89 E 62,534.68	Mike		4.1 4.2	J-12	Slow neutron observations High energy neutron observations	Stake, 2 nd pipe 4' above high tide	None	None	None	None	None	
411.38	"	6150	"	N144, 782.51 E 62,403.30	"	"	"	"	"	"	"	"	"	"	"	
411.39	"	6300	"	N144, 710.14 E 62,271.92	"	"	"	"	"	"	"	"	"	"	"	
411.40	"	6450	"	N144, 637.76 E 62,140.54	"	"	"	"	"	"	"	"	"	"	"	
411.41	"	6600	"	N144, 565.38 E 62,009.15	"	"	"	"	"	"	"	"	"	"	"	
411.42	"	6750	"	N144, 493.00 E 61,877.77	"	"	"	"	"	"	"	"	"	"	"	
411.43	"	6900	"	N144, 420.62 E 61,746.39	"	"	"	"	"	"	"	"	"	"	"	
411.44	"	7050	239-44-58	N144, 348.33 E 61,700.00	"	"	"	"	"	"	"	"	"	"	"	
411.45	"	7200	"	N144, 222.77 E 61,570.43	"	"	"	"	"	"	"	"	"	"	"	
411.46	"	7350	"	N144, 047.20 E 61,440.85	"	"	"	"	"	"	"	"	"	"	"	
411.47	"	7500	"	N144, 150.24 E 61,311.28	"	"	"	"	"	"	"	"	"	"	"	

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Dig. No.	Remarks	
									None	None	None					
412.01	Reef	300	227-24-59	N107,947.00 E123,909.11	King	4.1 4.2	J-12	Slow Neutron Observations High Energy Neutron Observations	Seal post, across bar 1/2 above high tide	None	None	None	None	None		
412.02	"	600	213-23-03	N107,649.00 E123,793.85	"	"	"	"	"	"	"	"	"	"		
412.03	"	900	212-23-15	N107,390.00 E123,647.92	"	"	"	"	"	"	"	"	"	"		
412.04	"	1200	211-03-20	N107,122.00 E123,510.96	"	"	"	"	"	"	"	"	"	"		
412.05	"	1500	211-51-39	N106,876.00 E123,334.21	"	"	"	"	"	"	"	"	"	"		
412.06	"	1800	193-07-20	N106,397.00 E123,721.35	"	"	"	"	"	"	"	"	"	"		
412.07	"	2100			"	"	"	"	"	"	"	"	"	"		
412.08	"	2400			"	"	"	"	"	"	"	"	"	"		
412.09	"	2700			"	"	"	"	"	"	"	"	"	"		
412.10	"	3000			"	"	"	"	"	"	"	"	"	"		
412.11	"	3300			"	"	"	"	"	"	"	"	"	"		
412.12	"	3600			"	"	"	"	"	"	"	"	"	"		
412.13	"	3900			"	"	"	"	"	"	"	"	"	"		
412.14	"	4200			"	"	"	"	"	"	"	"	"	"		
412.15	"	4500			"	"	"	"	"	"	"	"	"	"		
412.16	"	4800			"	"	"	"	"	"	"	"	"	"		
412.17	"	5100			"	"	"	"	"	"	"	"	"	"		
412.18	"	5400			"	"	"	"	"	"	"	"	"	"		

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1528

Sta. No.	Sta	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&M Dig No.	Remarks	
									Volts	Ω	K.W.					
k12.19	Y	5700			King	k.1 k.2	J-12	Slow Neutron Observations High Energy Neutron Observations	Coal post, cross k _{eff} W above ground	None	None	None	None	None		
k12.20	"	6000			"	"	"	"	"	"	"	"	"	"		
k12.21	"	6300			"	"	"	"	"	"	"	"	"	"		
k12.22	"	6600			"	"	"	"	"	"	"	"	"	"		
k12.23	"	6900			"	"	"	"	"	"	"	"	"	"		
k12.24	"	7200			"	"	"	"	"	"	"	"	"	"		

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15239

Exp. No.	Exp.	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&N Exp. No.	Remarks
									Volts	Ω	KW.				
340	B	3487.08	242-39-49	E145,965.00 E 64,337.00	Mike	4,4	J-12	Neutron Intensity vs. Time	Two fission fragment cameras	None	None	None	None	-1 Min. -5 Sec. -1 Sec.	
341	T	2100	173-50-58	E106,062.09 E124,355.00	King	"	"	" " "	Two fission fragment cameras on slide.	"	"	"	"	-30 Sec. - 5 Sec. -2 1/2 Sec.	

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1530

Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&N Orig. No.	Remarks
									Volts	W	KW.				
510.01	A	18900			Nike	5.1	J-13	Total Gamma Dose 6' length of 5" ID transite pipe set 6' in ground	None	None	None	None	None		
510.02	"	18600			"	"	"	"	"	"	"	"	"		
510.03	"	18300			"	"	"	"	"	"	"	"	"		
510.04	"	18000			"	"	"	"	"	"	"	"	"		
510.05	"	17700			"	"	"	"	"	"	"	"	"		
510.06	"	17400			"	"	"	"	"	"	"	"	"		
510.07	"	17100			"	"	"	"	"	"	"	"	"		
510.08	B	16400			"	"	"	"	"	"	"	"	"		
510.09	"	16100			"	"	"	"	"	"	"	"	"		
510.10	"	15800			"	"	"	"	"	"	"	"	"		
510.11	"	15500			"	"	"	"	"	"	"	"	"		
510.12	"	15200			"	"	"	"	"	"	"	"	"		
510.13	"	12900			"	"	"	"	"	"	"	"	"		
510.14	"	12600			"	"	"	"	"	"	"	"	"		
510.15	C	8700			"	"	"	"	"	"	"	"	"		
510.16	"	8400			"	"	"	"	"	"	"	"	"		
510.17	"	8100			"	"	"	"	"	"	"	"	"		
510.18	"	7800			"	"	"	"	"	"	"	"	"		

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1531

Sta No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
510.19	0	7500			Mike	5-1	J-13	Total Gamma Dose 6' Length of 5" ID pipe (Transite) set 6' in ground	None	None	None	None	None		
510.20	D	6900			.	.	.	.	.	.	.	.	.	.	.
510.21	.	6600			.	.	.	.	.	.	.	.	.	.	.
510.22	.	6300			.	.	.	.	.	.	.	.	.	.	.
510.23	.	6000			.	.	.	.	.	.	.	.	.	.	.
510.24	.	5700			.	.	.	.	.	.	.	.	.	.	.
510.25	B	4500			.	.	.	.	.	.	.	.	.	.	.
510.26	.	4200			.	.	.	.	.	.	.	.	.	.	.
510.27	.	3900			.	.	.	.	.	.	.	.	.	.	.
510.28	.	3600			.	.	.	.	.	.	.	.	.	.	.
510.29	.	3300		
510.30	0	3000		
510.31	.	3300		
510.32	.	3600		
510.33	.	3900		
510.34	.	4200		
510.35	.	4500		

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1532

Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signal	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
510.36	G-H	4800			Mike	5-1	J-13	Total Gamma Dose 6' length of 5" ED Frenchie pipe set 6' in ground	None	None	None	None	None		On canopy between Sites G & H
510.37	H	5100			.	.	.	.	.	.	.	.	.	.	.
510.38	.	5400			.	.	.	.	.	.	.	.	.	.	.
510.39	.	5700			.	.	.	.	.	.	.	.	.	.	.
510.40	.	6000			.	.	.	.	.	.	.	.	.	.	.
510.41	H&I	6300			.	.	.	.	.	.	.	.	.	.	On canopy between Sites H & I
510.42	.	6600			.	.	.	.	.	.	.	.	.	.	.
510.43	.	6900			.	.	.	.	.	.	.	.	.	.	.
510.44	.	7200			.	.	.	.	.	.	.	.	.	.	.
510.45	.	7500			.	.	.	.	.	.	.	.	.	.	.
510.46	I	7800			.	.	.	.	.	.	.	.	.	.	.
510.47	.	8100		
510.48	.	8400		
510.49	.	8700		
510.50	.	9000		
510.51	.	9300		
510.52	J	15,300		
510.53	.	15,600		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&N Dig No.	Remarks
									Volts	Ω	KW				
510.54	J	15,900			Mike	5-1	J-13	Total Gamma Dose	6' Length of 5" ID Transite pipe set 6' in ground	None	None	None	None	None	
510.55	"	16,200			"	"	"	"	"	"	"	"	"	"	
510.56	"	16,500			"	"	"	"	"	"	"	"	"	"	
510.57	"	16,800			"	"	"	"	"	"	"	"	"	"	
510.58	"	17,100			"	"	"	"	"	"	"	"	"	"	
510.59	"	17,400			"	"	"	"	"	"	"	"	"	"	
510.60	"	17,700			"	"	"	"	"	"	"	"	"	"	
510.61	"	18,000			"	"	"	"	"	"	"	"	"	"	
510.62	"	18,300			"	"	"	"	"	"	"	"	"	"	
510.63	"	18,600			"	"	"	"	"	"	"	"	"	"	
510.64	"	18,900			"	"	"	"	"	"	"	"	"	"	
510.65	"	19,200			"	"	"	"	"	"	"	"	"	"	
510.66	"	19,500			"	"	"	"	"	"	"	"	"	"	

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Sta No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phone	Timing Signals	M&M Dig No.	Remarks
									Volts	Ω	KW				
511.01	Y	2100.00			King	5.1	J-13	Total Gamma Dose 4' length of 2" x 2" x 3/8" angle iron set 3' in ground	None	None	None	None	None	6135-T-3	
511.02	"	2400.00			"	"	"	"	"	"	"	"	"	"	
511.03	"	2700.00			"	"	"	"	"	"	"	"	"	"	
511.04	"	3000.00			"	"	"	"	"	"	"	"	"	"	
511.05	"	3300.00			"	"	"	"	"	"	"	"	"	"	
511.06	"	3600.00			"	"	"	"	"	"	"	"	"	"	
511.07	"	3900.00			"	"	"	"	"	"	"	"	"	"	
511.08	"	4200.00			"	"	"	"	"	"	"	"	"	"	
511.09	"	4500.00			"	"	"	"	"	"	"	"	"	"	
511.10	"	4800.00			"	"	"	"	"	"	"	"	"	"	
511.11	"	5100.00			"	"	"	"	"	"	"	"	"	"	
511.12	"	5400.00			"	"	"	"	"	"	"	"	"	"	
511.13	"	5700.00			"	"	"	"	"	"	"	"	"	"	
511.14	"	6000.00			"	"	"	"	"	"	"	"	"	"	
511.15	"	6300.00			"	"	"	"	"	"	"	"	"	"	
511.16	"	6600.00			"	"	"	"	"	"	"	"	"	"	
511.17	"	6900.00			"	"	"	"	"	"	"	"	"	"	
511.18	"	7200.00			"	"	"	"	"	"	"	"	"	"	
511.19	"	7500.00			"	"	"	"	"	"	"	"	"	"	

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Sta. No.	Sta.	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	N&N Dig. No.	Remarks
									Volts	Ω	KW.				
511.20	Y	7800.00			King	5-1	J-13	Total Gamma Dose	4' length of 2" x 2" x 1/2" angle iron set 3' in ground	None	None	None	None	None	
511.21	"	8100.00			"	"	"	"	"	"	"	"	"	"	
511.22	"	8400.00			"	"	"	"	"	"	"	"	"	"	
511.23	"	8700.00			"	"	"	"	"	"	"	"	"	"	
511.24	"	9000.00			"	"	"	"	"	"	"	"	"	"	
511.25	"	9300.00			"	"	"	"	"	"	"	"	"	"	
511.26	"	9600.00			"	"	"	"	"	"	"	"	"	"	
511.27	"	9900.00			"	"	"	"	"	"	"	"	"	"	
511.28	Y Reef	10200.00			"	"	"	"	"	"	"	"	"	"	
511.29	"	10500.00			"	"	"	"	"	"	"	"	"	"	
511.30	"	10800.00			"	"	"	"	"	"	"	"	"	"	
511.31	"	11000.00			"	"	"	"	"	"	"	"	"	"	
511.32	"	11400.00			"	"	"	"	"	"	"	"	"	"	
511.33	"	11700.00			"	"	"	"	"	"	"	"	"	"	
511.34	"	12000.00			"	"	"	"	"	"	"	"	"	"	
511.35	"	12300.00			"	"	"	"	"	"	"	"	"	"	
511.36	"	12600.00			"	"	"	"	"	"	"	"	"	"	
511.37	"	12900.00			"	"	"	"	"	"	"	"	"	"	
511.38	"	13200.00			"	"	"	"	"	"	"	"	"	"	
511.39	"	13500.00			"	"	"	"	"	"	"	"	"	"	

511.39 13500.00
 511.38 13200.00
 511.37 12900.00
 511.36 12600.00
 511.35 12300.00
 511.34 12000.00
 511.33 11700.00
 511.32 11400.00
 511.31 11000.00
 511.30 10800.00
 511.29 10500.00
 511.28 Y Reef 10200.00
 511.27 9900.00
 511.26 9600.00
 511.25 9300.00
 511.24 9000.00
 511.23 8700.00
 511.22 8400.00
 511.21 8100.00
 511.20 Y 7800.00

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dig. No.	Remarks
									Volts	#	KW.				
520	0	7552.76	240-45-14	N144,060 E 61,200	Mike	5.20	J-13	Gamma Intensity vs. Time Recording shelter 8' x 8' x 10' inside with mass entrance. Wall and earth to equal 10' earth shielding	110	1	2	1	-15 Min - 1 Sec		
521.01	B	13150.74	241-01-40	N141,380 E 56,285	.	.	.	. . . . . 24" dia. pipe in ground 16' deep	None	None	None	None	- 5 Min - 1 Sec	61340-3	
521.02	D	5432.03	244-04-19	N145,200 E 62,545	.	.	.	. . . . .	.	.	.	.	.
521.03	B	3546.74	242-34-25	N146,120 E 64,640	.	.	.	. . . . .	.	.	.	.	.
521.04	T	2604.63	180-8-52	N105,699.97 E125,018.59	King	.	.	. . . . .	.	.	.	.	.
521.05	.	4748.38	151-55-18	N103,960.48 E126,368.96		
521.06	.	6859.33	148-11-33	N102,320.78 E127,745.33		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&N Dwg No.	Remarks
									Volts	G	K.W.				
530.01	I	9,294.31	74-01-04	N150,309.09 E 76,725.06	Mike	5.3	J-13	Fall-out Gamma Intensity	Recorder inside and detector outside Station 200	NONE	NONE	NONE	1	NONE	Signal telemetered to Parry by telephone line
530.02	J	18,905.13	99-19-49	N144,685.00 E 86,445.00	"	"	"	" " "	Recorder inside and detector outside Station 801	"	"	"	"	"	" " "
531.01	A	17,424.19	239-36-58	N138,937.00 E 52,756.92	"	"	"	" " "	Self-recording recorder inside detector outside Station 300	"	"	"	NONE	"	"
531.02	J	DELETED			"	"	"	" " "	Self-recording recorder inside and detector outside and existing GREENHOUSE structure 301a	"	"	"	"	"	"
531.03	S	51,057.74	111-31-15	N129,020.00 E115,288.81	"	"	"	" " "	" " " ...772	"	"	"	"	"	"
531.04	T	75,528.83	127-25-04	N101,857.00 E127,777.00	"	"	"	" " "	" " " ...18	"	"	"	"	"	"
531.05	IN	115,546.37	145-55-59	N 52,000.14 E132,537.00	"	"	"	" " "	" " "	"	"	"	"	"	"
531.06	AL	83,896.75	205-01-23	N 71,728.00 E 32,303.11	"	"	"	" " "	" " "	"	"	"	"	"	"

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Sta No	Site	Distance from Zero (Ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description		Power			Phones	Timing Signals	HAM Dig No.	Remarks	
										Volts	Ω	K.W.					
540.01	Lagoos	26,400.00	150-00-00	N124,886.93 E 80,990.00	Nil	5.4a	DDO Pulhipe KDL	Life Float		12' x 7'7" x 15" Kevy Block Number 0-6-3-600	None	None	None	None	Blue Box		Inf furnished by user, HAM furnish bearings
540.02	"	52,800.00	"	N102,023.86 E 94,190.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.03	"	79,200.00	165-00-00	N 71,248.68 E 88,288.46	"	"	"	"	"	"	"	"	"	"	"	"	"
540.04	"	26,400.00	180-00-00	N121,135.00 E 67,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.05	"	39,600.00	"	N108,150.00 E 67,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.06	"	52,800.00	"	N 94,950.00 E 67,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.07	"	71,280.00	"	N 76,470.00 E 67,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.08	"	95,040.00	"	N 52,710.00 E 67,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.09	"	68,640.00	190-00-00	N 80,152.79 E 55,870.79	"	"	"	"	"	"	"	"	"	"	"	"	"
540.10	"	84,480.00	"	N 64,553.44 E 53,120.20	"	"	"	"	"	"	"	"	"	"	"	"	"
540.11	"	52,800.00	200-00-00	N 98,134.23 E 49,731.34	"	"	"	"	"	"	"	"	"	"	"	"	"
540.12	"	73,980.00	"	N 78,287.92 E 42,507.87	"	"	"	"	"	"	"	"	"	"	"	"	"
540.13	"	26,400.00	210-00-00	N124,886.93 E 54,590.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.14	"	39,600.00	"	N113,455.39 E 47,990.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.15	"	72,000.00	"	N 85,396.17 E 31,790.00	"	"	"	"	"	"	"	"	"	"	"	"	"
540.16	"	55,440.00	215-00-00	N102,336.21 E 35,990.92	"	"	"	"	"	"	"	"	"	"	"	"	"
540.17	"	47,520.00	222-00-00	N112,435.76 E 35,992.91	"	"	"	"	"	"	"	"	"	"	"	"	"
540.18	"	44,680.00	230-00-00	N118,901.69 E 33,409.98	"	"	"	"	"	"	"	"	"	"	"	"	"
540.19	"	33,000.00	233-00-00	N127,890.10 E 41,435.03	"	"	"	"	"	"	"	"	"	"	"	"	"

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Sta No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description		Power			Phases	Timing Signals	M&M Dig No.	Remarks
										Volts	Ω	K.W.				
540.20	Lagoon	26,400.00	235-00-00	N132,607.58 E 46,104.39	Mike	5.4a	DOD DeShipe KRL	Life Float	12' x 7'7" x 15" Bay Stock Number 0-6-B-00	None	None	None	None	Blue Box		Raft furnished by user, M&M furnish mooring
541.01	A	17,422.51	239-37-55	N134,942.00 E 52,757.93	"	5.4b	DOD (ACC)	Full-out Collector	Concrete structure set in ground	None	None	None	None	Blue Box		
541.02	B	13,462.11	241-08-20	N141,252.00 E 56,000.00	"	"	"	"	"	"	"	"	"	"		
541.03	C	7,799.33	240-42-26	N143,934.00 E 60,987.96	"	"	"	"	"	"	"	"	"	"		
541.04	I	9,270.11	73-42-42	N150,350.00 E 76,688.00	"	"	"	"	"	"	"	"	"	"		
541.05	J	18,905.31	99-14-17	N144,715.00 E 86,490.11	"	"	"	"	"	"	"	"	"	"		
541.06	J	18,895.18	99-14-35	N144,715.00 E 86,440.00	"	"	"	"	"	"	"	"	"	"		
541.07	K	21,520.68	105-19-52	N142,060.00 E 84,544.85	"	"	"	"	"	"	"	"	"	"		
541.08	L	23,756.47	108-29-23	N140,216.00 E 90,320.17	"	"	"	"	"	"	"	"	"	"		
541.09	M	31,052.63	111-28-07	N136,385.00 E 96,628.14	"	"	"	"	"	"	"	"	"	"		
541.10	N	34,852.45	111-04-21	N135,181.00 E100,297.13	"	"	"	"	"	"	"	"	"	"		
541.11	O	36,942.75	110-57-06	N134,540.00 E102,290.18	"	"	"	"	"	"	"	"	"	"		
541.12	P	40,273.91	110-16-52	N133,790.00 E105,567.06	"	"	"	"	"	"	"	"	"	"		
541.13	R	44,531.76	110-30-23	N132,150.00 E109,500.00	"	"	"	"	"	"	"	"	"	"		
541.14	R	44,587.16	110-29-02	N132,150.00 E109,558.32	"	"	"	"	"	"	"	"	"	"		
541.15	S	47,899.25	110-43-54	N130,768.00 E112,577.63	"	"	"	"	"	"	"	"	"	"		
541.16	U	53,300.18	112-39-17	N127,220.00 E116,977.69	"	"	"	"	"	"	"	"	"	"		
541.17	V				"	"	"	"	"	"	"	"	"	"		
541.18	V				"	"	"	"	"	"	"	"	"	"		

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Sta No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	H&M Dig No.	Remarks
									None	None	None				
5A1.19	Y	75,495.33	127-26-34	N 101,857.00 E 127,734.79	Mike	5.4b	DOD (ADC)	Fail-out Collector	Concrete structure set in ground	None	None	None	None	Blue Box	
5A1.20	Y	75,489.42	127-25-52	N 108,867.00 E 127,735.00	"	"	"	"	"	"	"	"	"	"	
5A1.21	XB	102,687.30	134-46-04	N 75,434.00 E 140,694.58	"	"	"	"	"	"	"	"	"	"	
5A1.22	HD				"	"	"	"	"	"	"	"	"	"	
5A1.23	HD				"	"	"	"	"	"	"	"	"	"	
5A1.24	HE	115,569.78	145-55-39	N 52,020.16 E 132,537.00	"	"	"	"	"	"	"	"	"	"	
5A1.25	HE	115,561.51	145-55-29	N 52,030.19 E 132,537.00	"	"	"	"	"	"	"	"	"	"	
5A1.26	FF				"	"	"	"	"	"	"	"	"	"	
5A1.27	FF				"	"	"	"	"	"	"	"	"	"	
5A1.28	GG				"	"	"	"	"	"	"	"	"	"	
5A1.29	EE				"	"	"	"	"	"	"	"	"	"	
5A1.30	EE				"	"	"	"	"	"	"	"	"	"	
5A1.31	LL	84,012.51	205-04-57	N 71,660.00 E 32,175.38	"	"	"	"	"	"	"	"	"	"	
5A1.32	LL	84,021.65	205-04-47	N 71,650.00 E 32,175.00	"	"	"	"	"	"	"	"	"	"	
5A1.33	MM	47,722.5	157-03-03	N 103,834.8 E 86,393.5	"	"	"	"	"	"	"	"	"	"	

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Sta. No.	Sta	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	M&M Dig No	Remarks
									Volts	Ω	KW				
542.01	A	17,404.87	233-34-30	N 136,936.00 E 52,781.91	Mike	5.4a	DDO Paulhips KMDL	Fall-out Collector	Concrete pad 6' x 6' with 6' x 5' shield on side facing ground zero	None	None	None	None	Blue Box	
542.02	J	18,880.02	99-17-48	N 144,700.00 E 66,422.00	.	.	.	.	.	.	.	.	.	.	.
542.03	H				.	.	.	.	.	.	.	.	.	.	.
542.04	V				.	.	.	.	.	.	.	.	.	.	.
542.05	Z	75,522.61	127-27-16	N 101,823.00 E 27,741.87	.	.	.	.	.	.	.	.	.	.	.
542.06	XB	102,668.40	134-46-53	N 75,430.00 E 140,664.00
542.07	XB	115,064.22	145-49-13	N 52,588.78 E 132,432.00
542.08	77			

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Sta No	Site	Distance from Zero (Ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Dep. No.	Remarks
									Volts	W	K.W.				
600	I	8,390	71-37-46.2	N 150,361.52 E 75,714.50	Mike	6.1	Sandia	Recording Station Concrete structure 8' x 21' x 8' h inside				1	-30 Min -10 Sec R/S S/E R/S E/S	6086-I-3 Rev 1	Refer to Blue Box
601	J	18,651.41	94-30-42.7	N 146,282.78 E 86,343.61	"	"	"	Existing GREENHOUSE structure 3017				"	"	3073-J-3	
602	K	21,316.1	105-44-23	N 141,967.44 E 88,306.78	"	"	"	Existing GREENHOUSE structure 3018				"	"	3073-K-3 Rev 1	
603	M	30,454.99	111-21-26	N 136,699.00 E 96,153.00	"	"	"	Concrete structure 8' x 21' x 8' h inside				"	"	6047-M-3 Rev 1	
604	S	47,560.91	110-04-14.1	N 131,428.16 E 112,462.56	"	"	"	Existing GREENHOUSE structure #132, a & b				"	"	3074-S-3	
605	T	74,832.7	127-13-35.5	N 102,478.04 E 127,375.50	"	"	"	Existing GREENHOUSE structure #55 add partition & exhaust system for batteries				"	"	3082-T-3	
605	"	6,534.34	150-13-09	"	"	"	King	"				"	"	"	
606	XX	114,316.80	145-01-29	N 54,077.00 E 133,300.00	Mike	"	"	Timber structure 8' x 21' x 8' h inside				"	"	6044-XX-3	
606	XX	54,844.40	170-21-16	"	"	"	King	"				"	"	"	

A TYPE II EGG RELAY
PANEL IS TO BE INSTALLED IN
TIMING RACK AT EACH OF
THE ABOVE RECORDING STATIONS.
THIS RELAY HAS TWO TYPE
DN-11 RELAYS (4 POLE -
DOUBLE THROW) EGG.
SHALL FURNISH AN AC
OPERATED BLUE BOX
AT EACH OF THE
ABOVE RECORDING
STATIONS

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Sta No	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phone	Transmit Signal	NBSM Div. No.	Remarks
									Volts	@	KW.				
510	MM	11,489.75	72-49-25.2	N151,163.06 E 75,767.31	Mike	6.1	Sandia	Pressure-time-distance 15' tower on roof between I & J	None			None	None	6073-M-3 Rev 1	
611.01	J	15,900'	93-16-38.5	N146,841.00 E 83,664.00	Mike	6.1 5.3 6.8	"	Pressure-time-distance wind measure-temperature 45° tower	"			"	"	6100-J-3	Also battery box 36" x 36" x 30" ID
611.02	X	21,412.21	105-51-31.3	N141,898.77 E 88,387.23	Mike	6.3 6.8	"	" " " " " "	"			"	"		
611.03	M	30,354.05	111-18-50	N136,717.00 E 96,067.93	"	"	"	" " " " " "	"			"	"		
611.04	S	47,574.13	109-55-36.9	N131,535.75 E112,515.70	"	"	"	" " " " " "	"			"	"		
612.	MM	114,239.68	144-59-56	N 54,172.00 E133,317.00	"	"	"	" " " " " 15'	"			"	"	6101-M-3 Rev 1	
"	"	54,754.35	170-20-27	" " "	King	"	"	Pressure-time-distance	"			"	"	"	
613.01	O	36,707.80	111-34-17	N134,254.00 E101,926.79	Mike	"	"	" " " " " 10'	"			"	"	6094-O-3	Recorded in Sta. 603
613.02	T	74,884.50	127-18-56.7	N102,354.48 E127,346.17	"	"	"	" " " " " "	"			"	"		
614	O	4,421.73	72-11-50.8	N149,101.89 E 72,000.00	"	"	"	Ground Raffle (2 gage)	"			"	"	6106-Q-3	
615.01	M	5,900.00	72-44-45.2	N149,500.00 E 73,424.49	"	"	"	Ground Raffle (3 gage)	"			"	"		
615.02	I	8,250.00	71-37-48.2	N150,350.00 E 75,619.59	"	"	"	" " " " " "	"			"	"		
616.01	M	5,900.00	72-36-37	N149,513.33 E 73,420.34	"	"	"	Stagnation Pressure Concrete ramp	"			"	"		
616.02	I	8,250.00	71-31-58	N150,363.29 E 75,615.18	"	"	"	" " " " " "	"			"	"		

N 149,101.89
E 72,000.00

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phone	Timing Signals	M&M Exp. No.	Remarks	
									Volts	#	K.W.					
617.01	Y Reef	2,500	143-30	N106,140.36 E125,617.06	X	6.1	Sandén	Air pressure over water	15' Tower	None			None	None	610-T-3	
617.02	"	3,000	"	N105,738.43 E125,914.47	"	"	"	"	"	"			"	"	611-T-3	
617.03	"	4,000	"	N104,934.57 E126,509.29	"	"	"	"	"	"			"	"	6116-T-3	
617.04	"	5,000	"	N104,130.78 E127,104.11	"	"	"	"	"	"			"	"	"	
617.05	"	6,000	"	N103,186.86 E127,698.93	"	"	"	"	"	"			"	"	"	
617.06	"	7,000	"	N102,523.00 E128,293.76	"	"	"	"	"	"			"	"	"	
617.07	"	10,000	"	N100,111.43 E130,078.25	"	"	"	"	"	"			"	"	"	
617.08	"	15,000	151-45-00	N 94,936.04 E131,229.80	"	"	"	"	"	"			"	"	"	
618	Y	5,000	153-28-07.4	N103,676.95 E126,363.64	"	6.3	"	Wind	"	"			"	"	6104-T-3	Battery box 18 x 18 x 36"
619.01	"	7,000	150-27-41.1	N102,059.81 E127,581.08	"	6.3 6.9	"	Afterwind and velocity of sound	45° Tower	"			"	"	"	Battery box 30 x 36 x 36"
619.02	"	9,678.46	150-13-02.9	N 99,749.90 E128,937.38	"	"	"	"	"	"			"	"	"	"
6101.01	"	3,000	161-08-07.3	N105,311.14 E125,100.00	"	"	"	Pressure-time-distance on ground	Ground Baffle (1 gage)	"			"	"	"	
6101.02	"	5,000	153-38-26.1	N103,669.87 E126,350.00	"	"	"	"	"	"			"	"	"	
6101.03	"	7,000	150-37-30.4	N102,050.00 E127,563.65	"	"	"	"	"	"			"	"	"	
6101.04	"	9,678.44	150-20-09.8	N 99,740.00 E128,920.00	"	"	"	"	"	"			"	"	"	
6102	J	18,568.08	94-26-06	N 146,314.14 E 86,302.48	M	6.1	Sandén	Pressure on ground	Array of Vianco gauges on face of existing GREENHOUSE structure J.1.1	"			"	"	None	
6103	"	18,494.67	98-01-57	N 145,150.00 E 86,175.14	"	"	"	"	Cluster of Vianco and Indenter gauges	"			"	"	"	
6104	A	18,568.14	90-39-13	N 138,650.00 E 91,604.67	"	"	"	"	Cluster of Indenter gauges	"			"	"	"	

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	N&N Orig. No.	Remarks
									Volts	Ø	K.W.				
6180	T	1065.29	153-52-34	N 104,500 E 125,920	X	6.14	NOL	Free Air Pressure Array of rockets	110	1	4	None	-15 sec - 5 sec		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	Year	Description	Power			Phase	Timing Signals	M&I Exp. No.	Remarks
									Volts	Ω	K.W.				
620.01	Reef	4422	49°57'00"	N 150,595.36 E 71,174.97	Mike	6.2	J-10	Air Base-Motion Mortar on Post	Zone	Zone	Zone	None	-2 Sec.	6128-Q-3	
620.02	"	5900	56°14'00"	N 151,029.29 E 72,694.72	"	"	"	" " "	"	"	"	"	"	"	
620.03	"	8250	58°47'00"	N 152,045.78 E 74,845.51	"	"	"	" " "	"	"	"	"	"	"	
620.04	"	11,490	62°13'00"	N 153,105.83 E 77,955.39	"	"	"	" " "	"	"	"	"	"	"	
621.01	Lagoon	15,900	167°45'00"	N 132,405.21 E 72,239.28	"	"	"	" " " Ref	"	"	"	"	None	"	
621.02	"	21,400	138°40'00"	N 131,641.17 E 81,923.39	"	"	"	" " "	"	"	"	"	"	"	
621.03	"	30,130	132°45'00"	N 127,297.73 E 89,915.14	"	"	"	" " "	"	"	"	"	"	"	
621.04	"	37,200	134°20'00"	N 121,753.47 E 94,394.65	"	"	"	" " "	"	"	"	"	"	"	
621.05	MI	47,711.55	157°03'03"	N 103,814.8 E 86,393.5	"	"	"	" " "	"	"	"	"	"	"	
621.06	Lagoon	72,900	137°50'00"	N 93,716.46 E 116,727.00	"	"	"	" " "	"	"	"	"	"	"	
621.10	"	4,000	280°00'00"	N 104,844.99 E 120,190.77	King	"	"	" " "	"	"	"	"	"	"	
621.11	"	5,000	" " "	N 109,014.24 E 119,205.96	"	"	"	" " "	"	"	"	"	"	"	
621.12	"	6,000	" " "	N 109,191.89 E 118,221.15	"	"	"	" " "	"	"	"	"	"	"	
621.13	"	7,000	" " "	N 109,369.54 E 117,234.35	"	"	"	" " "	"	"	"	"	"	"	
621.14	"	10,000	280°00'00"	N 109,886.44 E 114,281.92	"	"	"	" " "	"	"	"	"	"	"	
621.15	"	15,000	" " "	N 110,794.72 E 109,357.88	"	"	"	" " "	"	"	"	"	"	"	
622	MI	56,364.10	172-02-28	N 52,332.00 E 131,934.00	"	"	"	" " " Mortar on Land	"	"	"	"	"	"	
"	"	114,970.90	146-05-22	" " "	Mike	"	"	" " "	"	"	"	"	"	"	

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	MHD Exp. No.	Remarks
									Volts	Ω	K.W.				
623.01	J	19,396.36	101°25'26"	N143,904.18 E 86,982.18	Mike	6.2	J-10	High Air Motion Studies 3 rd Naval Gun	None	None	None		-15 Sec		
623.02	"	19,360.14	101°33'49"	N143,869.15 E 86,757.28	"	"	"	"	"	"	"		"		
623.03	"	19,297.30	101°11'50"	N144,002.72 E 86,719.97	"	"	"	"	"	"	"		"		
623.04	"	19,260.82	101°20'19"	N143,963.19 E 86,674.90	"	"	"	"	"	"	"		"		
623.05	"	19,198.26	100°58'11"	N144,096.76 E 86,637.47	"	"	"	"	"	"	"		"		
623.06	"	19,161.62	101°06'41"	N144,057.23 E 86,592.52	"	"	"	"	"	"	"		"		
623.07	"	19,099.77	100°44'23"	N144,190.80 E 86,555.22	"	"	"	"	"	"	"		"		
623.08	"	19,062.97	100°52'54"	N144,151.27 E 86,510.20	"	"	"	"	"	"	"		"		
623.09	"	18,992.02	100°29'06"	N144,293.27 E 86,464.89	"	"	"	"	"	"	"		"		
623.10	"	18,964.33	100°38'59"	N144,245.31 E 86,427.68	"	"	"	"	"	"	"		"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signal	M&M Diag. No.	Remarks
									Volts	Ω	K.W.				
630.01	J	19,363.06	98°04'48.1"	N145,028.40 E 86,960.86	Nike	6.3	J-10	Checked & after-vid 70" Dia. hole 16' ↓ Loop	None			None	-2 Min -5 Sec		
630.02	L	24,104.07	108°57'7.5"	N140,247.27 E 90,696.67	"	"	"	"	"			"	"		
630.03	M	32,398.94	118°08'07.8"	N136,744.89 E 96,993.44	"	"	"	"	"			"	"		
630.04	N	51,008.31	130°04'21.8"	N129,687.18 E115,493.06	"	"	"	"	"			"	"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Tuning Signals	NBN Log No.	Remarks
									Volts	Ω	K.W.				
640.01	Lagoon	16,529.71	98-41-31	N 145,252.00 E 64,129.87	Mike	6.4a	J-10	Water wave markers	None	None	None	None	None		
640.02	"	54,544.61	115-26-22	N 124,319.98 E 117,045.95	"	"	"	"	"	"	"	"	"		
640.03	"	76,886.94	129-28-01	N 96,878.10 E 127,146.09	"	"	"	"	"	"	"	"	"		
640.04	"	113,195.69	146-26-02	N 53,429.87 E 130,375.78	"	"	"	"	"	"	"	"	"		
641.01	"	18,849.24	100-46-20	N 44,227.00 E 86,307.00	"	"	"	Telephone pole with black and white stripes 2' wide	"	"	"	"	"		
641.02	"	53,149.54	112-57-57	N 127,012.00 E 116,726.87	"	"	"	Telephone pole with black and white stripes 1' wide	"	"	"	"	"		
641.03	"	75,403.80	127-50-30	N 101,491.00 E 127,336.95	"	"	"	"	"	"	"	"	"		
641.04	"	113,699.14	145-05-29	N 54,542.00 E 132,833.63	"	"	"	"	"	"	"	"	"		
642.01	"	18,599.80	100-09-59	N 44,467.00 E 86,097.77	"	"	"	Oil Drum painted white	"	"	"	"	"		
642.02	"	18,585.24	100-14-36	N 44,445.00 E 86,079.06	"	"	"	"	"	"	"	"	"		
642.03	"	18,569.50	100-19-16	N 44,423.00 E 86,059.00	"	"	"	"	"	"	"	"	"		
642.04	"	18,553.04	100-23-58	N 44,401.00 E 86,038.23	"	"	"	"	"	"	"	"	"		
642.05	"	18,537.04	100-28-50	N 44,378.09 E 86,017.74	"	"	"	"	"	"	"	"	"		
642.06	"	18,521.04	113-23-15	N 26,489.09 E 116,950.70	"	"	"	"	"	"	"	"	"		
642.07	"	53,599.74	113-25-36	N 26,456.00 E 116,935.00	"	"	"	"	"	"	"	"	"		
642.08	"	53,590.54	113-28-14	N 26,422.00 E 116,910.07	"	"	"	"	"	"	"	"	"		
642.09	"	53,543.75	113-30-44	N 26,389.00 E 116,884.29	"	"	"	"	"	"	"	"	"		
642.10	"	53,533.55	113-33-24	N 26,355.00 E 116,862.35	"	"	"	"	"	"	"	"	"		

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Sta No.	Site	Distance from Zero (Ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dig No.	Remarks
									Volts	Ω	K.W.				
042.11	Lagoon	75,714.61	128-12-05	N100,926.00 E127,289.71	Mike	6.4a	J-10	Water wave markers Oil drum painted white	None	None	None	None	None		
042.12	"	75,692.53	128-13-34	N100,914.00 E127,252.16	"	"	"	" " "	"	"	"	"	"		
042.13	"	75,669.55	128-15-05	N100,902.00 E127,213.44	"	"	"	" " "	"	"	"	"	"		
042.14	"	75,647.53	128-16-34	N100,890.00 E127,175.94	"	"	"	" " "	"	"	"	"	"		
042.15	"	75,625.20	128-18-04	N100,878.00 E127,137.88	"	"	"	" " "	"	"	"	"	"		
042.16	"	113,679.55	145-23-46	N 54,180.00 E132,347.66	"	"	"	" " "	"	"	"	"	"		
042.17	"	113,640.59	145-23-45	N 54,213.00 E132,326.90	"	"	"	" " "	"	"	"	"	"		
042.18	"	113,601.63	145-23-32	N 54,246.00 E132,306.14	"	"	"	" " "	"	"	"	"	"		
042.19	"	113,562.31	145-23-30	N 54,279.00 E132,284.71	"	"	"	" " "	"	"	"	"	"		
042.20	"	113,522.97	145-23-38	N 54,312.00 E132,263.28	"	"	"	" " "	"	"	"	"	"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description			Power			Phase	Timing Signals	M&M Dig. No.	Remarks
											Volts	#	K.W.				
650.01	I	TO BE DELETED IN THE FIELD			H	6.5	SanDie	Ground Motion	10" dia. hole in ground				None	None			
650.02	J			
650.03	K			
650.04	N			
650.05	P			
650.06	RE			

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phones	Timing Signals	MGN Dig No.	Remarks
									Volts	Ω	K.W.				
670.01	Lagoon	5,900.00	131-24-17	N145,647.89 E 72,215.33	Mike	6.7	Sandia	Underwater Tripod	None	None	None	None	None		
670.02	"	15,900.00	113-51-21	N141,319.45 E 82,331.60	"	"	"	" . . .	"	"	"	"	"		
670.03	"	47,574.13	112-05-57	N125,342.63 E109,756.75	"	"	"	" . . .	"	"	"	"	"		
670.04	"	112,241.34	145-43-31	E 54,000.78 N131,000.00	"	"	"	" . . .	"	"	"	"	"		
671	"	3,530.90	56-57-45	N145,675.00 E 70,790.00	"	6.7a	HEH	Dead Man							
672.01	Ocean							Tuna Can moored on line attached to Sta 671 at a distance of 1 mile and azimuth of 333°30'00" from Sta 671	"	"	"	"	"		
672.02	Ocean							Tuna Can 1.5 miles from Sta 671 on same line	"	"	"	"	"		
672.03	Ocean							" . . . 2	"	"	"	"	"		

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
690.01	J	19,166.7	95-57-48	N145,758.73 E 86,853.03	Mk2	6.9	J-10	Beta Dosimeter					-5min -5sec	6109-4-3 Rev 1	
690.02	L	23,219.5	107-47-59	N140,652.00 E 89,898.00	"	"	"	" "					"	"	
690.03	M	30,501.04	111-05-58	N136,770.00 E 96,846.09	"	"	"	" "					"	"	
690.04	B	47,487.10	109-38-53	N131,695.00 E112,870.00	"	"	"	" "					"	"	

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ø	K.W.				
800	J	18,960.7	99°35'53.6"	N 144,488.53 E 86,485.26	Mike	S.2	NRLE	Thermal Intensity vs. Time Spectroscopy	Existing GREENHOUSE structure 6B	110 206	1 3	15 5	1	-15 Min - 5 Min - 1 Sec	Requires 2 independent power sources & circuits
801	J	18,860.00	99-29-28	N 144,637.93 E 86,391.46	"	S.1	NRLE	Integral Thermal Radiation Thermal Intensity vs. Time	Existing GREENHOUSE structure 6A	(See Note)					Power of Sta 800 also serve Sta 801
802	T	51,242.2	111°49'56"	N 128,418.10 E 115,406.66	"	S.3	"	Spectroscopy	Existing GREENHOUSE structure 6B	"	"	"	1	-15 Min - 5 Min - 1 Sec	Requires 2 independent power sources and circuits
"	"	22,433.61	337°07'01"	"	King	"	"	"	"	"	"	"	"	-15 Min - 5 Min - 1 Sec	"
803	"	51,136.7	111°48'39.6"	N 128,847.06 E 115,304.64	Mike	S.1	"	Integral Thermal Radiation Thermal Intensity vs. Time	Existing GREENHOUSE structure 6A	(See Note)					Power of Sta 802 also serve Sta 803
"	"	22,500.1	336°54'23"	"	King	S.1	"	Integral thermal radiation Thermal Intensity vs. Time	"	"	"	"	"		"
804	XB	36,124.03	153°03'12"	N 75,948.00 E 140,500.00	"	S.1	"	Integral Thermal Radiation	Wooden cab 12' x 12' x 8' on tower 25' high base enclosed to 8' level	110 206	1 3	5 5	"	-15 Min - 5 Min - 1 Sec	6000-3B-3 See 1
"	"	"	"	"	"	S.2	"	Thermal intensity vs. Time	"	"	"	"	"	"	"
"	"	"	"	"	"	S.3	"	Spectroscopy	"	"	"	"	"	"	"
805	XB	114,510.04	145°10'20"	N 53,752.00 E 133,188.00	Mike	S.1	"	Integral Thermal Radiation	Platform at 113' and enclosed room at 100' in shaft of Sta 301 tower	110 206	1 1	6 15	"	-15 Min - 5 Min - 1 Sec	"
"	"	"	"	"	"	S.3	"	Spectroscopy	"	"	"	"	"	"	"
"	"	"	"	"	"	S.4	"	Air Attenuation	"	"	"	"	"	"	"
"	"	55,146.40	170°32'46"	"	King	S.1	"	Integral Thermal Radiation	"	"	"	"	"	-15 Min - 5 Min - 1 Sec	"
"	"	"	"	"	"	S.3	"	Spectroscopy	"	"	"	"	"	"	"
"	"	"	"	"	"	S.4	"	Air Attenuation	"	"	"	"	"	"	"
806	MM	37,984.70	263-33-12	E 103,814.80 E 86,393.50	"	S.1	"	Integral Thermal Radiation	"	"	"	"	"	"	"

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
810.01	A	17,845.54	240-05-43	N138,833.00 E 52,285.82	Mike	S.1	KRLB	Integral Thermal Radiation (Black Ball)	None	None	None	None	None		
810.02	I	6,238.23	72-44-07	N150,195.00 E 75,657.00	"	"	"	" " "	"	"	"	"	"		
810.03	II	11,490.00	72-59-25	N151,111.22 E 78,777.37	"	"	"	" " "	"	"	"	"	"		
810.04	J	14,168.11	95-54-28	N145,880.00 E 85,861.68	"	"	"	" " "	"	"	"	"	"		
810.05	L	23,529.62	107-56-46	N140,500.00 E 90,174.83	"	"	"	" " "	"	"	"	"	"		
810.06	M	30,669.95	111-24-09	N136,558.00 E 96,344.95	"	"	"	" " "	"	"	"	"	"		
810.07	O	36,816.69	110-49-55	N134,697.00 E102,215.80	"	"	"	" " "	"	"	"	"	"		
810.08	T	51,042.12	111-48-20	N128,790.00 E115,180.05	"	"	"	" " "	"	"	"	"	"		
810.09	Y	2,000	169-53-20	N106,228.55 E124,685.00	King	"	"	" " "	"	"	"	"	"		
810.10	"	4,000	152-41-37	N104,595.74 E125,908.99	"	"	"	" " "	"	"	"	"	"		
810.11	"	6,000	151-25-24	N102,880.93 E127,000.00	"	"	"	" " "	"	"	"	"	"		

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Site No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phases	Timing Signals	M&M Orig. No.	Remarks	
									Watts	W	KW					
090	A	17,347.37	239°26'48"	N 136,931.04 E 52,851.25	Mils	S.S.	KKLS	Air Attenuation	11' x 11' platform on roof of Sta 300	None	None	None	1	None	6046-3	
091	F	---	---	N 147,750.00 E 67,790.00	"	"	"	"	11' x 11' platform on roof of Sta 1	120	1	1.5	1	"	6066-3	
092	F	226.85	352°43'11"	N 147,977.00 E 67,761.00	"	"	"	"	8' x 8' platform 20' high	"	"	"	1	"	6070-3 Rev 1	

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EXPIRES 1450 SEP 90 78

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Doc. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
800	J				Mike	6.5	DDO (UNAF)	Thermal Radiation (Existing GREEN-HOUSE structure 25)	*			1	-Y0da		* User to supply own power source

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description		Power				Phase	Timing Signals	MOM Exp. No.	Remarks
										Volts	Ω	KW	None				
930	2B	115,802.74	145-55-08	N 51,837.00 E 132,682.00	Mike	9-1	J-12	Electromagnetic signals	Antenna consisting of telephone pole 50' high wires	None	None	None	None	-10min -5sec -1sec			
	2B	56,958.40	171-21-53	• •	King	•	•	• •	• • •	•	•	•	•	-30 min -5sec -2.5sec			

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signals	M&M Dig. No.	Remarks
									Volts	Ω	K.W.				
930	XX	TO BE LOCATED IN FIELD			H	9.3	DOD	Investigation of Electromagnetic Radiation	Antenna array	Note		None	-30 min - 1 min - 1 sec 10°		Use to supply own power and erect own antenna
.	K	-30 min - 1 min -2.5 sec 10°	.	.

SURVEILLANCE DIVISION 1050 SEP 68
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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description		Power			Phone	Timing Signals	MBN Dwg. No.	Remarks
										Volts	Ω	KW.				
1000.01	A	17,779.42	239°52'07"	N 138,825.00 E 52,413.00	Mike	10	E.O.O.	Timing Station	Similar to GREENHOUSE structure 101							
1000.02	B	13,265.87	242°09'22"	N 141,554.00 E 56,060.00	"	"	"	"	"							
1000.03	C	7,634.10	240°04'42"	N 143,940.00 E 61,170.00	"	"	"	"	"							
1000.04	D	6,274.46	243°11'24"	N 144,920.00 E 68,190.00	"	"	"	"	"							
1000.05	E	4,035.29	241°54'39"	N 145,890.00 E 64,230.00	"	"	"	"	"							
1000.06	I	4,358.96	73°23'10"	N 150,140.00 E 75,800.00	"	"	"	"	"							
1000.07	K	21,217.4	105°14'10"	N 148,174.00 E 84,262.00	"	"	"	"	"							
1000.08	L	23,209.4	107°47'13"	N 140,660.00 E 89,890.00	"	"	"	"	"							
1000.09	M	30,807.66	111°09'45"	N 136,624.00 E 96,520.00	"	"	"	"	Existing GREENHOUSE structure 64							
1000.10	N	5,609.51	73°22'27"	N 149,355.00 E 73,165.00	"	"	"	"	"							
1001.01	Z	19,435.0	101°07'09"	N 144,001.97 E 86,860.22	"	"	"	"	Existing GREENHOUSE structure 69							
"	"	51,714.6	313°53'21"	"	King	"	"	"	"							
1001.02	V	53,122.0	112°09'43.3	N 127,710.92 E 116,987.42	Mike	"	"	"	"							
"	"	80,624.2	339°56'26"	"	King	"	"	"	"							
1001.03	Y	75,312.3	127°37'32.6"	N 101,771.77 E 127,434.53	Mike	"	"	"	"							
"	"	7,185.3	152°35'00"	"	King	"	"	"	"							
1002	W	115,004.37	145°04'7'55"	N 52,564.00 E 132,468.00	Mike	"	"	"	Existing GREENHOUSE structure 311							
"	"	56,188.10	171°27'58"	"	King	"	"	"	"							
1080	H	56,231.46	171°32'34"	N 52,530.00 E 132,400.00	"	10.2	Sandis	Release Tone	Telephone Pole 50' High							

MULTI-MEDIA ITEM 1-10-0 51: 082

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Sta. No.	Site	Distance from Zero (ft.)	Azimuth from Zero	Coordinates	Shot	Project	User	Description	Power			Phase	Timing Signal	M&M Dig. No.	Remarks
									Volts	Ω	KW				
1130	F	342.86	229°14'11"	N 147,500 .00 E 67,500.00	- 7	11.3	DOD	5000' Drill Hole	None	None	None	None	None	None	
1131	NE				- -							

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