

**OPERATION RAPID EAGLE 11/09/11**

**Flight:**

Pilot	Call Sign	Side #	Freq	Role	T/O Time
Major Drucker	Hellcat 1-1	51	260	Fam / ISR	07:30
Capt Mickleson	Hellcat 1-2	50	260	Fam / ISR	07:35

**Loadout:**

**7    6    5    4B    4A    3    2    1**

<b>Station 7</b>	AIM-9M	<b>Station 4B</b>	GAU-12	<b>Station 3</b>	FUEL
<b>Station 6</b>	GBU-12	<b>Ammo</b>	HE M-792	<b>Station 2</b>	GBU-12
<b>Station 5</b>	FUEL	<b>Station 4A</b>	TARGET POD	<b>Station 1</b>	AIM-9M

<b>Fuel</b>	11,764 lb
<b>Gross Weight</b>	29,665 lb

**Countermeasure Bins:**

<b>Top Front Left</b>	30 Chaff
<b>Top Front Right</b>	30 Chaff
<b>Top Rear Left</b>	30 Flare
<b>Top Rear Right</b>	30 Flare
<b>Bottom Left</b>	30 Flare
<b>Bottom Right</b>	30 Flare

**Weather:**

Clouds	Wind	Temperature	Precipitation
Scattered 14,000 ft 28-30,000 ft	124 @ 3Kn GL 240 @ 6Kn 6600 ft 115 @ 12Kn 26000 ft	15°C	None

**Mission Support:**

<b>Call Sign</b>	<b>Type</b>	<b>Frequency</b>	<b>Role</b>	<b>Notes</b>
<b>Chieftain</b>	<b>C-130</b>	<b>291.5</b>	<b>DASC</b>	
<b>Reaper</b>	<b>F/A-18</b>	<b>284.4</b>	<b>CAP</b>	

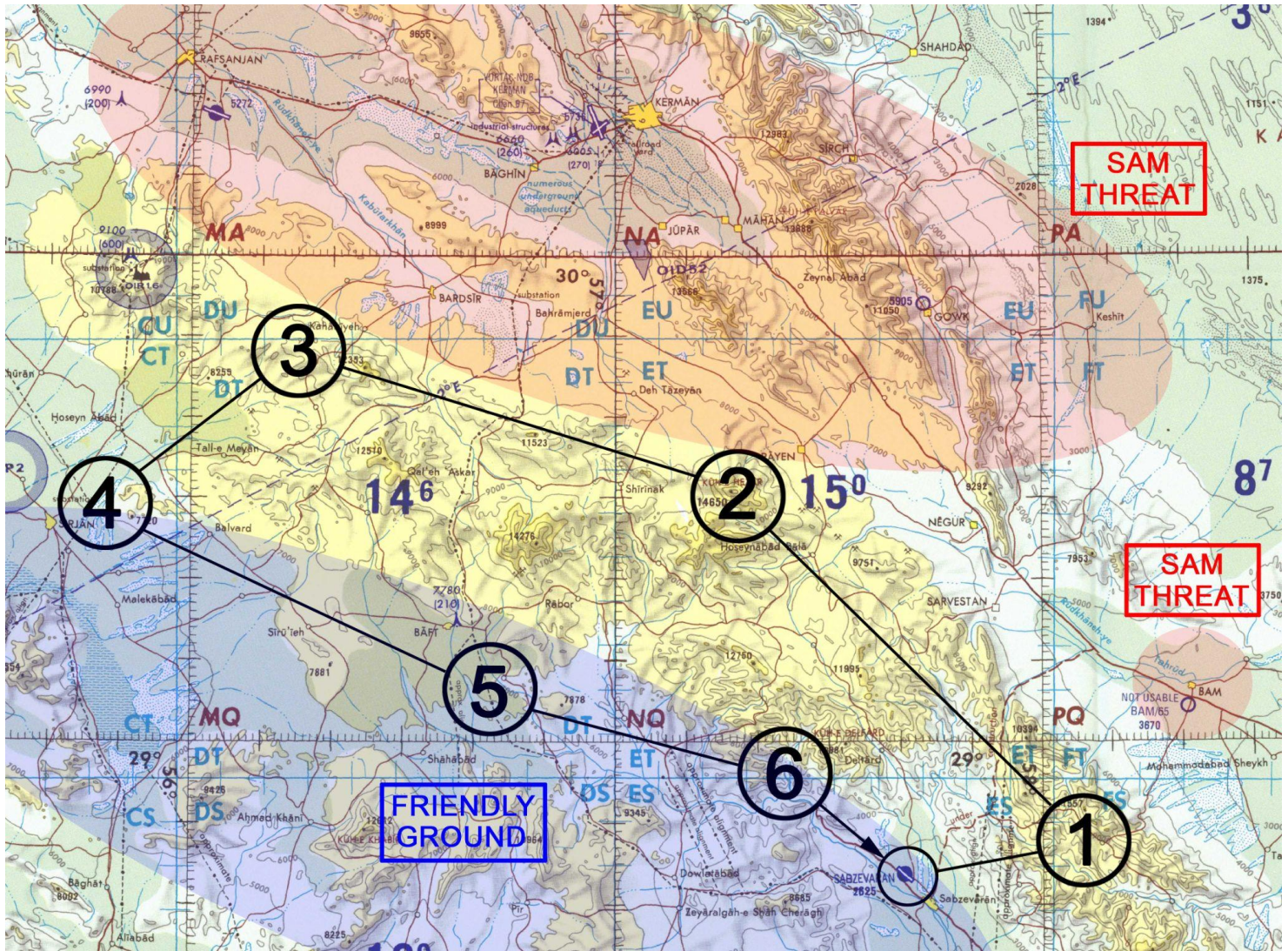
**Mission:**

Fam flight of Kerman AOR and ISR of ground routes.

**Flight Plan:**

<b>Waypoint</b>	<b>Alt (Ft MSL)</b>	<b>Mach</b>	<b>Notes</b>
<b>1</b>	<b>20</b>	<b>0.7</b>	<b>RV with 'Mother', threat to NE</b>
<b>2</b>	<b>20</b>	<b>0.7</b>	<b>White Cap, threat to North</b>
<b>3</b>	<b>20</b>	<b>0.7</b>	<b>Threat to North</b>
<b>4</b>	<b>20</b>	<b>0.7</b>	<b>Sirjan, friendly area</b>
<b>5</b>	<b>15</b>	<b>0.65</b>	<b>Friendly area, scan routes for threats</b>
<b>6</b>	<b>15</b>	<b>0.65</b>	<b>Jiroft Reservoir</b>
<b>7</b>			<b>Land FOB Juliet</b>
			<b>BULLS N29°30'55", E57°16 '24"</b>

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## Fuel Plan:

<b>Stage</b>	<b>Notes</b>	<b>Target Fuel lb</b>
STARTING FUEL		<b>11700</b>
WP1	<i>20Kft @ M0.7</i>	<b>10300</b>
WP2	<i>20Kft @ M0.7</i>	<b>9556</b>
WP3	<i>25Kft @ M0.75</i>	<b>8836</b>
WP4	<i>25Kft @ M0.75</i>	<b>8476</b>
WP5	<i>15Kft @ M0.65</i>	<b>7548</b>
WP6	<i>15Kft @ M0.65</i>	<b>4824</b>
WP7	LAND	<b>2074</b>
<b>Bingo</b>		<b>2500</b>

**OPERATION RAPID EAGLE 11/09/11****Radio Plan:**

<b>Channel</b>	<b>Comm 1</b>	<b>Freq</b>	<b>Comm 2</b>	<b>Freq</b>
1	Juliet Ground	141.0	Juliet Ground	141.0
2	Juliet Tower	141.5	Hellcat 1	260.0
3	Juliet Departure	142.25	Reaper	284.4
4	Juliet Arrival	142.6	Wolf 1	267.0
5	Juliet Emergency	143.1	Sandman 1	301.2
6	Chieftain	291.5	Sandman 5	310.1
7	Steel Rain	181.6	Sandman 7	226.4
8	Iceman	185.7	SPARE	--
9	Fixer	189.0	SPARE	--
10	Madman	193.2	Black	329.8
11	SPARE	--	White	266.8
12	SPARE	--	Red	312.0
13	SPARE	--	Orange	355.2
14	SPARE	--	Yellow	231.4
15	SPARE	--	Green	388.7
16	SPARE	--	Blue	251.5
17	SPARE	--	Indigo	363.4
18	SPARE	--	Violet	200.6
19	SPARE	--	Magenta	391.1
20	SPARE	--	Grey	241.3
21	SPARE	--	SPARE	--
22	SPARE	--	SPARE	--
23	SPARE	--	SPARE	--
24	SPARE	--	w	--
25	SPARE	--	SPARE	--
26	SPARE	--	SPARE	--

**Threats:**

<b>HQ-7</b>	
<b>Guidance Type</b>	<b>Semi active radar homing</b>
<b>Acquisition Range</b>	<b>16 nm</b>
<b>Max Engagement Range</b>	<b>6 nm</b>
<b>Max Ceiling</b>	<b>17,000 Ft MSL</b>
<b>Missile Mach</b>	<b>2.3</b>
<b>Warhead Type</b>	<b>Frag HE</b>
<b>Fuzing</b>	<b>Proximity</b>
<b>RWR Symbology</b>	<b>HQ (SR), 7 (Weapons guidance)</b>
<b>Notable Features</b>	<p><b>Self propelled, Chinese built low altitude SAM system.</b></p> <p><b>Typical battery configuration 1 x search radar vehicle, 3 x launch vehicles</b></p>

<b>SA-6 'GAINFUL'</b>	
<b>Guidance Type</b>	<b>Radar, command guidance, semi active radar homing</b>
<b>Acquisition Range</b>	<b>40 nm</b>
<b>Max Engagement Range</b>	<b>15 nm</b>
<b>Max Ceiling</b>	<b>40,000 Ft MSL</b>
<b>Missile Mach</b>	<b>2.8</b>
<b>Warhead Type</b>	<b>130lb Frag HE</b>
<b>Fuzing</b>	<b>Proximity/contact</b>
<b>RWR Symbology</b>	<b>6</b>
<b>Notable Features</b>	<p><b>Semi Active Radar Homing in terminal phase.</b></p> <p><b>Missile burn time ~ 21 seconds.</b></p> <p><b>Highly mobile, can be operational within 15 minutes of relocating.</b></p> <p><b>Typical configuration - 1 x Tracked 'Straight Flush' radar vehicle, 4 x tracked TEL's carrying 3 missile apiece.</b></p>

<b>SA-8 'GECKO'</b>	
<b>Guidance Type</b>	<b>Radar, command guidance</b>
<b>Acquisition Range</b>	<b>15 nm</b>
<b>Max Engagement Range</b>	<b>6 nm</b>
<b>Max Ceiling</b>	<b>39,000 Ft MSL</b>
<b>Missile Mach</b>	<b>2.0</b>
<b>Warhead Type</b>	<b>35lb Frag HE</b>
<b>Fuzing</b>	<b>Proximity/contact</b>
<b>RWR Symbology</b>	<b>8</b>
<b>Notable Features</b>	<b>Amphibious &amp; highly mobile.</b> <b>Missile burn time ~ 15 seconds.</b> <b>6 missile load.</b>

<b>SA-18 'GROUSE'</b>	
<b>Guidance Type</b>	<b>Infra-Red</b>
<b>Acquisition Range</b>	<b>Visual</b>
<b>Max Engagement Range</b>	<b>3 nm</b>
<b>Max Ceiling</b>	<b>12,000 Ft MSL</b>
<b>Missile Mach</b>	<b>1.9</b>
<b>Warhead Type</b>	<b>2.6lb Frag HE</b>
<b>Fuzing</b>	<b>Contact / Grazing</b>
<b>Notable Features</b>	<b>Man Portable Air Defence (MANPAD), highly mobile and easy to hide.</b> <b>May operate in teams of shooter/spotter, communicating over distance to ambush targets.</b>