	Consumption +10% Margin (Watt)	Duty / orbit (Hour)	Energy / orbit (Watt-Hour)	Command Uplink/CW Beacon	Image/TLN Downlink	Operational Mission Mode (Camera and APRS-DP /S&F)				Safe Mode
						Target	Target (Optional)	Normal	APRS-DP/S&F	
On Board Computer	0.22	1.5	0.33	ON	ON	ON	ON	ON	ON	ON
ADCS	0.25	0.167	0.042	OFF	OFF	ON	ON	OFF	OFF	OFF
COM-UHF TX (CW)	0.33	0.367	0.121	ON	OFF	OFF	OFF	OFF	OFF	OFF
COM-UHF TX Downlink	4.26	0.167	0.7114	OFF	ON	OFF	OFF	OFF	OFF	ON
COM-UHF (RX)	0.22	1.5	0.33	ON	OFF	ON	ON	ON	ON	OFF
COM-VHF (RX)	0.15	1.5	0.225	OFF	ON	OFF	OFF	OFF	OFF	OFF
APRS-DP / S&F (RX)	0.43	0.25	0.1075	OFF	OFF	OFF	OFF	OFF	ON	OFF
APRS-DP / S&F (TX)	2.05	0.25	0.5125	OFF	OFF	OFF	OFF	OFF	ON	ON

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Check by: BIRDS-2 members   DATE: 03-17-2017

	Consumption + 10% Margin (Watt)	Duty / orbit (Hour)	Energy / orbit (Watt-Hour)	Command Uplink/CW Beacon	Image/TLN Downlink	Operational				Safe Mode
						Target	Target (Optional)	Normal	APRS-DP/S&F	
GPS	0.198	0.25	0.0495	OFF	OFF	OFF	ON	OFF	OFF	OFF
CAMERA	0.93	0.167	0.155	OFF	OFF	ON	ON	ON	OFF	OFF
EPS										
Total Energy Consumption (Watt-Hour)				0.781	1.266	0.857	0.906	0.815	1.28	0.66
Threshold Energy Generation (Watt-Hour)				1.27						

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		Check by: BIRDS-2 member	DATE: 03-17-2017