

KEOPBR Frequency Cheat Sheet

Please use as you see fit, add change or modify.

You can watch "<https://ke0pbr.wordpress.com/>" for updates and other satellite information.

There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165	432.170
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170	
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175	
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180	
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185	
VHF	Down	USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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Mid	435.250	145.960	
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LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
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LOS	437.510				

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	Up (FM)	Down (FM)	
AOS		436.673	
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AOS		437.810	
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*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
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Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

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.925, .937, 954 Sensitive Areas.

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VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B p	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B p	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B p	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down	USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930			145.925

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975									
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.120	432.125			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170
2			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180												
Mid			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185												
4			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185													
LOS			145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925													
VHF	Down USB																									

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605			
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935			
AOS	D o w n U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680			
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675			
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670			
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665			
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660			

FO-29		On a schedule										Preset #1			
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925				

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)												Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975									
AOS	U L S B	Down	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	432.115	432.120			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175												
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180												
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185												
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190												
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925														

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900	
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925				

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)												Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		Schedule
	Up (FM)	Down (FM)		
AOS	437.490			
2	437.495			
Mid	437.500	145.900		
4	437.505			
LOS	437.510			

SO-121		Up (FM)	Down (FM)
AOS			436.673
2			436.668
	145.875		436.663
4			436.658
LOS			436.653

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8		Up (FM)	Down (FM)
AOS			436.410
2			436.405
Mid	145.970		436.400
4			436.395
LOS			436.390

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975									
AOS	U L S B	Down	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	432.115	432.120			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175												
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180												
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185												
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190												
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925														

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605		
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935		
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B p	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B p	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B p	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925				

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)												Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B				Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280	
2		435.265	435.270	435.275	435.280	435.285	
Mid		435.270	435.275	435.280	435.285	435.290	
4		435.275	435.280	435.285	435.290	435.295	
LOS		435.280	435.285	435.290	435.295	435.300	
VHF	Down USB	145.935	145.930	145.925	145.920	145.915	

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		Schedule
	Up (FM)	Down (FM)		
AOS	437.490			
2	437.495			
Mid	437.500	145.900		
4	437.505			
LOS	437.510			

SO-121		Up (FM)	Down (FM)
AOS			436.673
2			436.668
	145.875		436.663
4			436.658
LOS			436.653

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8		Up (FM)	Down (FM)
AOS			436.410
2			436.405
Mid	145.970		436.400
4			436.395
LOS			436.390

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B p	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U L S B p	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U L S B p	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925				

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)												Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185						
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1		
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605		
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935		
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

KEOPBR Frequency Cheat Sheet

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There is also an excell download at the above site.

SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975		
AOS	U L S B P		432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165						
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170						
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180					
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185					
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.190					
VHF	Down USB		145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925						

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB		145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935
AOS	D o w n U - S B		435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29			On a schedule										Preset #1			
VHF	Up - LSB		146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900			
AOS	D o w n U - S B		435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910			
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905			
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900			
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895			
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890			

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680	
2		435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	
Mid		435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	
4		435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	
LOS		435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910		
2		435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905		
Mid		435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900		
4		435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895		
LOS		435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890		

JO-97					Beacon: 145.84	
AOS	U L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B			Preset #9		Beacon: 145.91	
AOS	U L S B	435.260	435.265	435.270	435.275	435.280
2		435.265	435.270	435.275	435.280	435.285
Mid		435.270	435.275	435.280	435.285	435.290
4		435.275	435.280	435.285	435.290	435.295
LOS		435.280	435.285	435.290	435.295	435.300
VHF	Down USB	145.935	145.930	145.925	145.920	145.915

AO-73					Beacon: 145.84	
AOS	U L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

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LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	Down	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down	USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930			145.925

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950

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SO-50		67 Hz	
Preset #3	Up (FM)	Down (FM)	
AOS		436.805	
2		436.800	
Mid	145.850	436.795	
4		436.790	
LOS		436.785	

AO-91		67 Hz	
Preset #2	Up (FM)	Down (FM)	
AOS	435.240		
2	435.245		
Mid	435.250	145.960	
4	435.255		
LOS	435.260		

PO-101		141.3		<i>Schedule</i>	
	Up (FM)			Down (FM)	
AOS	437.490				
2	437.495				
Mid	437.500	145.900			
4	437.505				
LOS	437.510				

SO-121			
	Up (FM)	Down (FM)	
AOS		436.673	
2		436.668	
	145.875	436.663	
4		436.658	
LOS		436.653	

@Diwata2PH on Twitter

LilacSat-2		No tone	
	Up (FM)	Down (FM)	
AOS		437.210	
2		437.205	
Mid	144.350	437.200	
4		437.195	
LOS		437.190	

ISS		67 Hz	
	Up (FM)	Down (FM)	
AOS		437.810	
2		437.805	
Mid	145.990	437.800	
4		437.795	
LOS		437.790	

*ISS SSTV 145.800

Tevel 2-8			
	Up (FM)	Down (FM)	
AOS		436.410	
2		436.405	
Mid	145.970	436.400	
4		436.395	
LOS		436.390	

 <- Doppler is High to Low

AO-91 VHF Doppler Drops in pass.

AO-7		Mode B	Mode A is 10 Meter										Preset #2			4 N 3 o 2 t e M : h z	Beacon 145.975	
AOS	U L S B	p	432.115	432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.155	432.160			432.165
2			432.120	432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.160	432.165			432.170
Mid			432.125	432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.165	432.170			432.175
4			432.130	432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.170	432.175			432.180
LOS			432.135	432.140	432.145	432.150	432.155	432.160	432.165	432.170	432.175	432.180	432.185	432.175	432.180			432.185
VHF	Down USB	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	145.930	145.925	145.935	145.930	145.925			

* if you don't hear pops at 145.938 - 145.939 then it is in the wrong mode.

* Rovers are Usually at .938 -.942

.925, .937, 954 Sensitive Areas.

RS-44 (DOAFF-8)													Beacon:	435.605	
VHF	Up - LSB	145.995	145.990	145.985	145.980	145.975	145.970	145.965	145.960	145.955	145.950	145.945	145.940	145.935	
AOS	D o w n	U - S B	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675	435.680
2			435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670	435.675
Mid			435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665	435.670
4			435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660	435.665
LOS			435.600	435.605	435.610	435.615	435.620	435.625	435.630	435.635	435.640	435.645	435.650	435.655	435.660

FO-29		On a schedule										Preset #1		
VHF	Up - LSB	146.000	145.990	145.980	145.970	145.960	145.950	145.940	145.930	145.920	145.910	145.900		
AOS	D o w n	U - S B	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	435.910	
2			435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	435.905	
Mid			435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	435.900	
4			435.795	435.805	435.815	435.825	435.835	435.845	435.855	435.865	435.875	435.885	435.895	
LOS			435.790	435.800	435.810	435.820	435.830	435.840	435.850	435.860	435.870	435.880	435.890	

JO-97					Beacon: 145.84	
AOS	U p L S B	435.090	435.095	435.100	435.105	435.110
2		435.095	435.100	435.105	435.110	435.115
Mid		435.100	435.105	435.110	435.115	435.120
4		435.105	435.110	435.115	435.120	435.125
LOS		435.110	435.115	435.120	435.125	435.130
VHF	Down USB	145.875	145.870	145.865	145.860	145.855

CAS-4B					Preset #9		Beacon: 145.91	
AOS	U p L S B	435.260	435.265	435.270	435.275	435.280		
2		435.265	435.270	435.275	435.280	435.285		
Mid		435.270	435.275	435.280	435.285	435.290		
4		435.275	435.280	435.285	435.290	435.295		
LOS		435.280	435.285	435.290	435.295	435.300		
VHF	Down USB	145.935	145.930	145.925	145.920	145.915		

AO-73					Beacon: 145.84	
AOS	U p L S B	435.140	435.145	435.150	435.155	435.160
2		435.145	435.150	435.155	435.160	435.165
Mid		435.150	435.155	435.160	435.165	435.170
4		435.155	435.160	435.165	435.170	435.175
LOS		435.160	435.165	435.170	435.175	435.180
VHF	Down USB	145.970	145.965	145.960	145.955	145.950