

1) 800 MHz bandwidth  
(3-level, Nyquist sampling)

P = 1                      P = 2

SAMP	LAGS - RESOLU	LAGS - RESOLU
8	2048 - 391 kHz	1024 - 781 kHz
4	4096 - 195 kHz	2048 - 391 kHz
2	8192 - 98 kHz	4096 - 195 kHz
1	16384 - 49 kHz	-

2) 200 MHz bandwidth (3-level, Nyquist or twice Nyquist sampling)

P = 1                      P = 2                      P = 1                      P = 2  
S = 2                      S = 2                      S = 4                      S = 4

SAMP	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU
8	4096 - 49 kHz	4096 - 49 kHz	4096 - 49 kHz	2048 - 98 kHz
4	16384 - 12.2 kHz	8192 - 24.4 kHz	8192 - 24.4 kHz	4096 - 49 kHz
2	32768 - 6.1 kHz	16384 - 12.2 kHz	16384 - 12.2 kHz	8192 - 24.4 kHz
1	65536 - 3.1 kHz	-	32768 - 6.1 kHz	-

3) 50 MHz bandwidth (using high speed samplers,  
twice Nyquist sampling)

P = 1                      P = 2  
L = 3                      L = 3

SAMP	LAGS - RESOLU	LAGS - RESOLU
8	4096 - 12.2 kHz	4096 - 12.2 kHz
4	32768 - 1.5 kHz	16384 - 3.1 kHz
2	65536 - 763 kHz	32768 - 1.5 kHz
1	131072 - 381 kHz	-

4) 50 MHz bandwidth  
(using low speed samplers, Nyquist sampling)

P = 1                      P = 2                      P = 1                      P = 2  
L = 3                      L = 3                      L = 9                      L = 9

SAMP	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU
32	8192 - 6.1 kHz	4096 - 12.2 kHz	2048 - 24.4 kHz	1024 - 49 kHz
16	16384 - 3.1 kHz	8192 - 6.1 kHz	4096 - 12.2 kHz	2048 - 24.4 kHz
8	32768 - 1.5 kHz	16384 - 3.1 kHz	8192 - 6.1 kHz	4096 - 12.2 kHz
4	65536 - 763 Hz	32768 - 1.5 kHz	16384 - 3.1 kHz	8192 - 6.1 kHz
2	131072 - 381 Hz	65536 - 763 Hz	32768 - 1.5 kHz	16384 - 3.1 kHz
1	262144 - 191 Hz	-	65536 - 763 Hz	-

P = 1, indicates either there is no polarization, or no cross products are generated

P = 2, indicates a polarization observation in which polarization cross products are generated

S = 2, Nyquist sampling is indicated

S = 4, twice Nyquist sampling is indicated

L = 3, 3-level sampling is used

L = 9, 9-level sampling is used

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5) 12.5 MHz bandwidth (using low speed samplers, twice Nyquist sampling)

P = 1                      P = 2                      P = 1                      P = 2  
L = 3                      L = 3                      L = 9                      L = 9

SAMP	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU	LAGS - RESOLU
32	8192 - 1.5 kHz	4096 - 3.1 kHz	2048 - 6.1 kHz	1024 - 12.2 kHz
16	16384 - 763 Hz	8192 - 1.5 kHz	4096 - 3.1 kHz	2048 - 6.1 kHz
8	32768 - 381 Hz	16384 - 763 Hz	8192 - 1.5 kHz	4096 - 3.1 kHz
4	65536 - 191 Hz	32768 - 381 Hz	16384 - 763 Hz	8192 - 1.5 kHz
2	131072 - 95 Hz	65536 - 191 Hz	32768 - 381 Hz	16384 - 763 Hz
1	262144 - 48 Hz	-	65536 - 191 Hz	-