Sorted

MVUS FMT – October 2007 Sorted Results

	AVERAGE OFFSET	NUMBER OF MEASUREMENTS	WEIGHTED AVG OFFSET	SORTED BY ABSOLUTE WEIGHTED AVG OFFSET	ABSOLUTE MINIMUM OFFSET
Connie Marshall K5CM	-1.648E-11	15	-1.099E-12	1.099E-12	3.131E-11
W3JW -- JEFF WALKER -- SE VIRGINIA	2.146E-9	13	1.651E-10	1.651E-10	3.131E-11
VE2IQ -- Bill de Carle -- Ontario	-2.609E-9	13	-2.007E-10	2.007E-10	2.043E-10
Brad - WB9FIP -- Waukesha, Wisconsin, EN53VA	-2.155E-9	9	-2.395E-10	2.395E-10	2.500E-10
VE3OAT -- Martin Potter -- Ottawa, Canada - FN25eg	1.949E-9	8	2.436E-10	2.436E-10	4.319E-10
John King -- WA1ABI -- Portsmouth, RI	3.002E-9	3	1.001E-9	1.001E-9	1.999E-9
Paul Stagno -- KB8MOU – Cleveland	-1.084E-8	8	-1.355E-9	1.355E-9	9.879E-10
N5PWG -- Jay Sicard	-6.496E-9	3	-2.165E-9	2.165E-9	2.732E-9
W5UFZ -- Richard Dabney -- Maricopa AZ DM 33xb	-7.359E-9	3	-2.453E-9	2.453E-9	1.388E-8
John Magliacane -- KD2BD -- Wall Township, NJ	-9.109E-9	3	-3.036E-9	3.036E-9	2.687E-9
K6OQK -- Burt I. Weiner -- Glendale, California	-2.413E-8	7	-3.447E-9	3.447E-9	2.732E-9
Marvin Collins -- W6OQI -- California	-4.452E-8	6	-7.421E-9	7.421E-9	1.834E-8
Jim Johnston, K6APW -- California	-2.396E-8	1	-2.396E-8	2.396E-8	2.396E-8
W0PHD – Wally --	3.677E-7	8	4.596E-8	4.596E-8	4.189E-9
W1PW -- Phil Walker -- AZ	-2.280E-7	3	-7.600E-8	7.600E-8	2.204E-7
AA8K -- Mike Naruta	8.163E-7	9	9.070E-8	9.070E-8	2.001E-8
WA2IKL -- Richard Factor -- NY	2.313E-5	1	2.313E-5	2.313E-5	2.313E-5
W2HV, Henry Voelker in Gilbertsville, NY, FN22il	7.777E-5	3	2.592E-5	2.592E-5	4.697E-5
VA3RMW -- Roberta Williams --	3.818E-5	1	3.818E-5	3.818E-5	3.818E-5

Weighted Avg offset = Avg offset / number of measurements

ABSOLUTE MAXIMUM OFFSET	AFTERNOON 80M #1	80M #2	80M #3	40M #1	40M #2	40M #3	30M #1	30M #2
1.213E-9	-2.500E-10	-5.314E-10	3.131E-11	-1.213E-9	-5.043E-10	7.711E-10	-3.646E-11	-3.646E-11
1.815E-8	-1.938E-9	-2.500E-10	3.131E-11	-1.170E-8	5.164E-9	1.763E-9	1.815E-8	1.447E-9
5.005E-8	-5.005E-8	-5.314E-10	8.753E-10	-6.460E-10	8.565E-9	2.043E-10	8.367E-9	-5.474E-9
2.720E-8	1.157E-9	-1.375E-9	-2.500E-10	1.055E-8	-5.043E-10	-2.318E-8		
2.516E-8	5.377E-9	6.502E-9	5.939E-9		1.820E-8	-2.516E-8	-1.124E-9	6.291E-9
4.461E-9								
3.782E-8		-4.189E-9	9.879E-10	-3.101E-8	1.140E-8	2.996E-9		
2.989E-8							-2.989E-8	2.732E-9
3.738E-8							2.918E-8	-3.738E-8
1.631E-8								
8.561E-8							-1.408E-8	2.732E-9
1.390E-7								
2.396E-8								-2.396E-8
3.057E-6				3.057E-6		-4.189E-9	-7.339E-8	-3.385E-8
2.318E-7								
8.169E-6	8.169E-6	-2.743E-7	-2.686E-7	-3.111E-8	-7.079E-8	-9.630E-8	-3.879E-8	-2.001E-8
2.313E-5							2.313E-5	
1.113E-4					1.113E-4		4.697E-5	
3.818E-5								

30M #3	EVENING 80M #1	80M #2	80M #3	40M #1	40M #2	40M #3	30M #1	30M #2
6.556E-10	3.143E-10	8.759E-10	3.143E-10	-2.127E-10	-3.544E-10	-7.109E-11		
1.249E-9		9.300E-9	2.842E-9			3.045E-9		
5.302E-9	-3.617E-9	8.759E-10	1.999E-9	2.122E-10				
	-2.720E-8	1.718E-9	1.969E-8					
-4.319E-10								
	1.999E-9					4.461E-9		2.547E-9
	-9.542E-9	-1.957E-8	-3.782E-8					
7.675E-9								
-1.388E-8								
	-2.687E-9	-1.631E-8	-8.327E-9					
3.720E-9		-8.561E-8	-7.157E-8	7.152E-9	-1.126E-8			
	5.760E-8	-1.053E-7	-1.390E-7	-4.100E-8	-2.117E-8	-1.834E-8		
2.331E-7	-1.727E-7	-3.226E-8	-3.226E-8					
				-2.318E-7	-2.318E-7	-2.204E-7		
-2.198E-8								
7.499E-5								
			3.818E-5					

30M #3

	2.500E-10	5.314E-10	3.131E-11	1.213E-9	5.043E-10	7.711E-10	3.646E-11	3.646E-11
-1.211E-9	1.938E-9	2.500E-10	3.131E-11	1.170E-8	5.164E-9	1.763E-9	1.815E-8	1.447E-9
	5.005E-8	5.314E-10	8.753E-10	6.460E-10	8.565E-9	2.043E-10	8.367E-9	5.474E-9
	1.157E-9	1.375E-9	2.500E-10	1.055E-8	5.043E-10	2.318E-8		
	5.377E-9	6.502E-9	5.939E-9		1.820E-8	2.516E-8	1.124E-9	6.291E-9
		4.189E-9	9.879E-10	3.101E-8	1.140E-8	2.996E-9		
							2.989E-8	2.732E-9
							2.918E-8	3.738E-8
							1.408E-8	2.732E-9
								2.396E-8
				3.057E-6		4.189E-9	7.339E-8	3.385E-8
	8.169E-6	2.743E-7	2.686E-7	3.111E-8	7.079E-8	9.630E-8	3.879E-8	2.001E-8
							2.313E-5	
					1.113E-4		4.697E-5	

6.556E-10		3.143E-10	8.759E-10	3.143E-10	2.127E-10	3.544E-10	7.109E-11	
1.249E-9			9.300E-9	2.842E-9			3.045E-9	
5.302E-9		3.617E-9	8.759E-10	1.999E-9	2.122E-10			
		2.720E-8	1.718E-9	1.969E-8				
4.319E-10								
		1.999E-9					4.461E-9	2.547E-9
		9.542E-9	1.957E-8	3.782E-8				
7.675E-9								
1.388E-8								
		2.687E-9	1.631E-8	8.327E-9				
3.720E-9			8.561E-8	7.157E-8	7.152E-9	1.126E-8		
		5.760E-8	1.053E-7	1.390E-7	4.100E-8	2.117E-8	1.834E-8	
2.331E-7		1.727E-7	3.226E-8	3.226E-8				
					2.318E-7	2.318E-7	2.204E-7	
2.198E-8								
7.499E-5								
				3.818E-5				

1.211E-9

MVUS FMT – October 2007 Results

	AVERAGE OFFSET	NUMBER OF MEASUREMENTS	WEIGHTED AVERAGE OFFSET	ABSOLUTE WEIGHTED AVERAGE OFFSET
Connie Marshall K5CM	-1.648E-11	15	-1.099E-12	1.099E-12
AA8K -- Mike Naruta	8.163E-7	9	9.070E-8	9.070E-8
VE3OAT -- Martin Potter -- Ottawa, Canada - FN25eg	1.949E-9	8	2.436E-10	2.436E-10
WA2IKL -- Richard Factor -- NY	2.313E-5	1	2.313E-5	2.313E-5
VE2IQ -- Bill de Carle -- Ontario	-2.609E-9	13	-2.007E-10	2.007E-10
Paul Stagno -- KB8MOU – Cleveland	-1.084E-8	8	-1.355E-9	1.355E-9
W3JW -- JEFF WALKER -- SE VIRGINIA	2.146E-9	13	1.651E-10	1.651E-10
Brad - WB9FIP -- Waukesha, Wisconsin, EN53VA	-2.155E-9	9	-2.395E-10	2.395E-10
W2HV, Henry Voelker in Gilbertsville, NY, FN22il	7.777E-5	3	2.592E-5	2.592E-5
N5PWG -- Jay Sicard	-6.496E-9	3	-2.165E-9	2.165E-9
W5UFZ -- Richard Dabney -- Maricopa AZ DM 33xb	-7.359E-9	3	-2.453E-9	2.453E-9
K6OQK -- Burt I. Weiner -- Glendale, California	-2.413E-8	7	-3.447E-9	3.447E-9
Jim Johnston, K6APW -- California	-2.396E-8	1	-2.396E-8	2.396E-8
VA3RMW -- Roberta Williams --	3.818E-5	1	3.818E-5	3.818E-5
Marvin Collins -- W6OQI -- California	-4.452E-8	6	-7.421E-9	7.421E-9
John Magliacane -- KD2BD -- Wall Township, NJ	-9.109E-9	3	-3.036E-9	3.036E-9
John King -- WA1ABI -- Portsmouth, RI	3.002E-9	3	1.001E-9	1.001E-9
W1PW -- Phil Walker -- AZ	-2.280E-7	3	-7.600E-8	7.600E-8
W0PHD – Wally --	3.677E-7	8	4.596E-8	4.596E-8

ABSOLUTE MINIMUM OFFSET	ABSOLUTE MAXIMUM OFFSET	AFTERNOON 80M #1	80M #2	80M #3	40M #1
3.131E-11	1.213E-9	-2.500E-10	-5.314E-10	3.131E-11	-1.213E-9
2.001E-8	8.169E-6	8.169E-6	-2.743E-7	-2.686E-7	-3.111E-8
4.319E-10	2.516E-8	5.377E-9	6.502E-9	5.939E-9	
2.313E-5	2.313E-5				
2.043E-10	5.005E-8	-5.005E-8	-5.314E-10	8.753E-10	-6.460E-10
9.879E-10	3.782E-8		-4.189E-9	9.879E-10	-3.101E-8
3.131E-11	1.815E-8	-1.938E-9	-2.500E-10	3.131E-11	-1.170E-8
2.500E-10	2.720E-8	1.157E-9	-1.375E-9	-2.500E-10	1.055E-8
4.697E-5	1.113E-4				
2.732E-9	2.989E-8				
1.388E-8	3.738E-8				
2.732E-9	8.561E-8				
2.396E-8	2.396E-8				
3.818E-5	3.818E-5				
1.834E-8	1.390E-7				
2.687E-9	1.631E-8				
1.999E-9	4.461E-9				
2.204E-7	2.318E-7				
4.189E-9	3.057E-6				3.057E-6

40M #2	40M #3	30M #1	30M #2	30M #3	EVENING 80M #1
-5.043E-10	7.711E-10	-3.646E-11	-3.646E-11	6.556E-10	3.143E-10
-7.079E-8	-9.630E-8	-3.879E-8	-2.001E-8	-2.198E-8	
1.820E-8	-2.516E-8	-1.124E-9	6.291E-9	-4.319E-10	
		2.313E-5			
8.565E-9	2.043E-10	8.367E-9	-5.474E-9	5.302E-9	-3.617E-9
1.140E-8	2.996E-9				-9.542E-9
5.164E-9	1.763E-9	1.815E-8	1.447E-9	1.249E-9	
-5.043E-10	-2.318E-8				-2.720E-8
1.113E-4		4.697E-5		7.499E-5	
		-2.989E-8	2.732E-9	7.675E-9	
		2.918E-8	-3.738E-8	-1.388E-8	
		-1.408E-8	2.732E-9	3.720E-9	
			-2.396E-8		
					5.760E-8
					-2.687E-9
					1.999E-9
	-4.189E-9	-7.339E-8	-3.385E-8	2.331E-7	-1.727E-7

80M #2	80M #3	40M #1	40M #2	40M #3	30M #1	30M #2
8.759E-10	3.143E-10	-2.127E-10	-3.544E-10	-7.109E-11		
8.759E-10	1.999E-9	2.122E-10				
-1.957E-8	-3.782E-8					
9.300E-9	2.842E-9			3.045E-9		
1.718E-9	1.969E-8					
-8.561E-8	-7.157E-8	7.152E-9	-1.126E-8			
	3.818E-5					
-1.053E-7	-1.390E-7	-4.100E-8	-2.117E-8	-1.834E-8		
-1.631E-8	-8.327E-9					
				4.461E-9		2.547E-9
		-2.318E-7	-2.318E-7	-2.204E-7		
-3.226E-8	-3.226E-8					

30M #3	ABSOLUTE AFTERNOON 80M #1	80M #2	80M #3	40M #1	40M #2
	2.500E-10	5.314E-10	3.131E-11	1.213E-9	5.043E-10
	8.169E-6	2.743E-7	2.686E-7	3.111E-8	7.079E-8
	5.377E-9	6.502E-9	5.939E-9		1.820E-8
	5.005E-8	5.314E-10	8.753E-10	6.460E-10	8.565E-9
		4.189E-9	9.879E-10	3.101E-8	1.140E-8
-1.211E-9	1.938E-9	2.500E-10	3.131E-11	1.170E-8	5.164E-9
	1.157E-9	1.375E-9	2.500E-10	1.055E-8	5.043E-10
					1.113E-4
				3.057E-6	

40M #3	30M #1	30M #2	30M #3	EVENING 80M #1	80M #2
7.711E-10	3.646E-11	3.646E-11	6.556E-10	3.143E-10	8.759E-10
9.630E-8	3.879E-8	2.001E-8	2.198E-8		
2.516E-8	1.124E-9	6.291E-9	4.319E-10		
	2.313E-5				
2.043E-10	8.367E-9	5.474E-9	5.302E-9	3.617E-9	8.759E-10
2.996E-9				9.542E-9	1.957E-8
1.763E-9	1.815E-8	1.447E-9	1.249E-9		9.300E-9
2.318E-8				2.720E-8	1.718E-9
	4.697E-5		7.499E-5		
	2.989E-8	2.732E-9	7.675E-9		
	2.918E-8	3.738E-8	1.388E-8		
	1.408E-8	2.732E-9	3.720E-9		8.561E-8
		2.396E-8			
				5.760E-8	1.053E-7
				2.687E-9	1.631E-8
				1.999E-9	
4.189E-9	7.339E-8	3.385E-8	2.331E-7	1.727E-7	3.226E-8

80M #3	40M #1	40M #2	40M #3	30M #1	30M #2	30M #3
3.143E-10	2.127E-10	3.544E-10	7.109E-11			
1.999E-9	2.122E-10					
3.782E-8						
2.842E-9			3.045E-9			1.211E-9
1.969E-8						
7.157E-8	7.152E-9	1.126E-8				
3.818E-5						
1.390E-7	4.100E-8	2.117E-8	1.834E-8			
8.327E-9						
			4.461E-9		2.547E-9	
	2.318E-7	2.318E-7	2.204E-7			
3.226E-8						

Data

	Afternoon 80M #1	80M #2	80M #3	40M #1
Transmitted Frequency	3554412.014889	3554412.014889	3554406.014889	7056588.029559
Connie Marshall K5CM	3554412.01400	3554412.01300	3554406.01500	7056588.02100
AA8K -- Mike Naruta	3554441.05000	3554411.04000	3554405.06000	7056587.81000
VE3OAT -- Martin Potter -- Ottawa, Canada - FN25eg	3554412.03400	3554412.03800	3554406.03600	
WA2IKL -- Richard Factor -- NY				
VE2IQ -- Bill de Carle -- Ontario	3554411.83700	3554412.01300	3554406.01800	7056588.02500
Paul Stagno -- KB8MOU – Cleveland		3554412.00000	3554406.01840	7056587.81070
W3JW -- JEFF WALKER -- SE VIRGINIA	3554412.00800	3554412.01400	3554406.01500	7056587.94700
Brad - WB9FIP -- Waukesha, Wisconsin, EN53VA	3554412.01900	3554412.01000	3554406.01400	7056588.10400
W2HV, Henry Voelker in Gilbertsville, NY, FN22il				
N5PWG -- Jay Sicard				
W5UFZ -- Richard Dabney -- Maricopa AZ DM 33xb				
K6OQK -- Burt I. Weiner -- Glendale, California				
Jim Johnston, K6APW -- California				
VA3RMW -- Roberta Williams --				
Marvin Collins -- W6OQI -- California				
John Magliacane -- KD2BD -- Wall Township, NJ				
John King -- WA1ABI -- Portsmouth, RI				
W1PW -- Phil Walker -- AZ				
W0PHD – Wally --				7056609.6

40M #2	40M #3	30M #1	30M #2	30M #3	Evening 80M #1
7056588.029559	7056577.029559	10114763.742369	10114763.742369	10114767.542369	3561316.014881
7056588.02600	7056577.03500	10114763.74200	10114763.74200	10114767.54900	3561316.01600
7056587.53000	7056576.35000	10114763.35000	10114763.54000	10114767.32000	
7056588.15800	7056576.85200	10114763.73100	10114763.80600	10114767.53800	3561315.97700
		10114997.65000			
7056588.09000	7056577.03100	10114763.82700	10114763.68700	10114767.59600	3561316.00200
7056588.11000	7056577.05070				3561315.98090
7056588.06600	7056577.04200	10114763.92600	10114763.75700	10114767.55500	
7056588.02600	7056576.86600				3561315.91800
7057373.75000		10115238.8		10115526	
		10114763.44000	10114763.77000	10114767.62000	
		10114764.03750	10114763.36430	10114767.40200	
		10114763.60000	10114763.77000	10114767.58000	
			10114763.50000		
					3561316.22000
					3561316.00531
					3561316.02200
	7056577	10114763	10114763.4	10114769.9	3561315.4

80M #2	80M #3	40M #1	40M #2	40M #3	30M #1	30M #2
3561337.014881	3561294.014881	7060586.029502	7060607.029502	7060569.029502	10111367.542249	10111388.642250
3561337.01800	3561294.01600	7060586.02800	7060607.02700	7060569.02900		
3561336.99800	3561293.93000					
3561337.01800	3561294.02200	7060586.03100				
3561336.94520	3561293.88020					
3561337.04800	3561294.02500			7060569.05100		
3561337.02100	3561294.08500					
3561336.71	3561293.76	7060586.08	7060606.95	7060568.89		
	3561430.00000					
3561336.64000	3561293.52000	7060585.74000	7060606.88000	7060568.90000		
3561336.95679	3561293.98523					
				7060569.06100		10111388.66800
		7060584.39300	7060605.39300	7060567.47300		
3561336.9	3561293.9					

30M #3
10111348.642249

10111348.63000