

Sheet1

VSM Name	Description	Int.#	Precision	Samples/sec	Units	conversion	comment
e1a	ellipse a	1 ref	real*4	10	volts	--	ellipse parameter, x-axis radius
e1b	ellipse b	1 ref	real*4	10	volts	--	ellipse parameter, y-axis radius
e1d	ellipse d	1 ref	real*4	10	volts	--	ellipse parameter, phase offset
e1x	ellipse x0	1 ref	real*4	10	volts	--	ellipse parameter, x-axis center
e1y	ellipse y0	1 ref	real*4	10	volts	--	ellipse parameter, y-axis center
p1f	phase fast	1 ref	real*8	400	radians	0.124 ne/rad	reference interferometer phase
p1f32	phase fast	1 ref	real*4	400	radians	0.124 ne/rad	reference interferometer phase
p1s	phase slow	1 ref	real*8	40	radians	0.124 ne/rad	reference interferometer phase
p1s32	phase slow	1 ref	real*4	40	radians	0.124 ne/rad	reference interferometer phase
x1	raw x	1 ref	int*2	400	counts	0.305 mV/count	raw fringe signal, x-axis, direct
y1	raw y	1 ref	int*2	400	counts	0.305 mV/count	raw fringe signal, y-axis, PSD
e2a	ellipse a	2 bhl	real*4	10	volts	--	ellipse parameter, x-axis radius
e2b	ellipse b	2 bhl	real*4	10	volts	--	ellipse parameter, y-axis radius
e2d	ellipse d	2 bhl	real*4	10	volts	--	ellipse parameter, phase offset
e2x	ellipse x0	2 bhl	real*4	10	volts	--	ellipse parameter, x-axis center
e2y	ellipse y0	2 bhl	real*4	10	volts	--	ellipse parameter, y-axis center
p2f	phase fast	2 bhl	real*8	400	radians	0.136 ne/rad	borehole interferometer phase
p2f32	phase fast	2 bhl	real*4	400	radians	0.136 ne/rad	borehole interferometer phase
p2s	phase slow	2 bhl	real*8	40	radians	0.136 ne/rad	borehole interferometer phase
p2s32	phase slow	2 bhl	real*4	40	radians	0.136 ne/rad	borehole interferometer phase
x2	raw x	2 bhl	int*2	400	counts	0.305 mV/count	raw fringe signal, x-axis, direct
y2	raw y	2 bhl	int*2	400	counts	0.305 mV/count	raw fringe signal, y-axis, PSD
a4	analog 4	1 ref	int*2	40	counts	-0.098 rad/count	fringe counter, ref. inter
a5	analog 5	2 bhl	int*2	40	counts	-0.098 rad/count	fringe counter, ref. borehole
a6	analog 6	--	int*2	40	counts	3.05 mC/count	thermometer, trailer
a7	analog 7	--	int*2	40	counts	3.05 mC/count	thermometer, wellhead

SEED: Station = MHVSM  
Network = SF

Units: ne = nanostrain  
rad = radians  
mV = milliVolt  
mC = milliCelcius

NOTES: vertical nanostrain =  $p2 * 0.136 - p1 * 0.124$   
Sensitive interval is between 9 m depth and 782 m depth.

p1 = data from reference fiber  
p2 = data from downhole fiber

**SEED C.L**

AXA.01
AXB.01
AXD.01
AXX.01
AXY.01
DCZ.D1
DCZ.S1
BCZ.D1
BCZ.S1
AYX.01
AYY.01

AXA.02
AXB.02
AXD.02
AXX.02
AXY.02
DSZ.D2
DSZ.S2
BSZ.D2
BSZ.S2
AYX.02
AYY.02

AY4.01
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AY5.02
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BKT.00
BKW.00