



Appendix E: Frequency Stability**Test Result**

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	LV	NT	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	HV	NT	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	NT	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	LV	NT	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	HV	NT	-20000.00	-3.831418	20	PASS
11A	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	LV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	HV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	HV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	LV	NT	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	HV	NT	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	LV	NT	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	HV	NT	-20000.00	-3.457217	20	PASS
11A	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	LV	NT	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	HV	NT	-20000.00	-3.433476	20	PASS

11A	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	LV	NT	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant1	5180	NV	NT	20000.00	3.861004	20	PASS
11N20MIMO	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5180	HV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant2	5180	NV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant2	5180	LV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant2	5180	HV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
11N20MIMO	Ant1	5220	LV	NT	-20000.00	-3.831418	20	PASS
11N20MIMO	Ant1	5220	HV	NT	-20000.00	-3.831418	20	PASS
11N20MIMO	Ant2	5220	NV	NT	-20000.00	-3.831418	20	PASS
11N20MIMO	Ant2	5220	LV	NT	-20000.00	-3.831418	20	PASS
11N20MIMO	Ant2	5220	HV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	LV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	HV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	HV	NT	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant1	5785	LV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant1	5785	HV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	LV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	HV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant1	5825	NV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5825	LV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant1	5825	HV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	LV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11N40MIMO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS

11N40MIMO	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	HV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	NV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	HV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant2	5230	NV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant2	5230	LV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant2	5230	HV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	LV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant2	5755	NV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant2	5755	LV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant2	5755	HV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant2	5795	NV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant2	5795	LV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant2	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AC20MIMO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5180	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5180	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5180	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5180	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5220	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5220	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5220	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5220	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5220	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5220	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11AC20MIMO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AC20MIMO	Ant2	5240	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5240	LV	NT	0.00	0.000000	20	PASS

11AC20MIMO	Ant2	5240	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5745	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5745	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5745	HV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5745	NV	NT	-20000.00	-3.481288	20	PASS
11AC20MIMO	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11AC20MIMO	Ant2	5745	HV	NT	-20000.00	-3.481288	20	PASS
11AC20MIMO	Ant1	5785	NV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5785	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant1	5785	HV	NT	-20000.00	-3.457217	20	PASS
11AC20MIMO	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11AC20MIMO	Ant2	5785	LV	NT	0.00	0.000000	20	PASS
11AC20MIMO	Ant2	5785	HV	NT	-20000.00	-3.457217	20	PASS
11AC20MIMO	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
11AC20MIMO	Ant1	5825	LV	NT	-20000.00	-3.433476	20	PASS
11AC20MIMO	Ant1	5825	HV	NT	-20000.00	-3.433476	20	PASS
11AC20MIMO	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11AC20MIMO	Ant2	5825	LV	NT	-20000.00	-3.433476	20	PASS
11AC20MIMO	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11AC40MIMO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5190	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5190	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5190	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5230	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5230	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5230	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5230	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5230	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5755	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5755	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5755	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5755	LV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5755	HV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11AC40MIMO	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11AC40MIMO	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS

11AC40MIMO	Ant2	5795	NV	NT	0.00	0.000000	20	PASS
11AC40MIMO	Ant2	5795	LV	NT	-40000.00	-6.902502	20	PASS
11AC40MIMO	Ant2	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AC80MIMO	Ant1	5210	NV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	LV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	HV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	LV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	HV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5775	NV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant1	5775	LV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant1	5775	HV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant2	5775	NV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant2	5775	LV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant2	5775	HV	NT	-80000.00	-13.852814	20	PASS
11AX20MIMO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant2	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant2	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AX20MIMO	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant1	5220	LV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant1	5220	HV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant2	5220	NV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant2	5220	LV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant2	5220	HV	NT	-20000.00	-3.831418	20	PASS
11AX20MIMO	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant2	5240	NV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant2	5240	LV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant2	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AX20MIMO	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant2	5745	NV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant2	5745	HV	NT	-20000.00	-3.481288	20	PASS
11AX20MIMO	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS

11AX20MIMO	Ant1	5785	LV	NT	-20000.00	-3.457217	20	PASS
11AX20MIMO	Ant1	5785	HV	NT	-20000.00	-3.457217	20	PASS
11AX20MIMO	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11AX20MIMO	Ant2	5785	LV	NT	-20000.00	-3.457217	20	PASS
11AX20MIMO	Ant2	5785	HV	NT	-20000.00	-3.457217	20	PASS
11AX20MIMO	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
11AX20MIMO	Ant1	5825	LV	NT	-20000.00	-3.433476	20	PASS
11AX20MIMO	Ant1	5825	HV	NT	-20000.00	-3.433476	20	PASS
11AX20MIMO	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11AX20MIMO	Ant2	5825	LV	NT	-20000.00	-3.433476	20	PASS
11AX20MIMO	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11AX40MIMO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5190	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5190	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5190	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5230	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5230	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5230	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5230	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5230	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5755	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5755	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5755	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5755	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5755	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5795	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5795	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant1	5795	HV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5795	NV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5795	LV	NT	0.00	0.000000	20	PASS
11AX40MIMO	Ant2	5795	HV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5210	LV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5210	HV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant2	5210	NV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant2	5210	LV	NT	0.00	0.000000	20	PASS

11AX80MIMO	Ant2	5210	HV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5775	NV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5775	LV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant1	5775	HV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant2	5775	NV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant2	5775	LV	NT	0.00	0.000000	20	PASS
11AX80MIMO	Ant2	5775	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	-10	0.00	0.000000	20	PASS
11A	Ant2	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	30	0.00	0.000000	20	PASS
11A	Ant2	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	-20	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	-10	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	0	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	10	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	20	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	30	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	40	-20000.00	-3.831418	20	PASS
11A	Ant1	5220	NV	50	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	-30	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	-20	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	-10	-20000.00	-3.831418	20	PASS

11A	Ant2	5220	NV	0	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	10	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	20	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	30	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	40	-20000.00	-3.831418	20	PASS
11A	Ant2	5220	NV	50	-20000.00	-3.831418	20	PASS
11A	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	30	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	-30	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	-10	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	0	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	10	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	20	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	30	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	40	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	50	-20000.00	-3.816794	20	PASS
11A	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	-20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	0	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	-30	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	-10	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	0	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	10	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	30	-20000.00	-3.481288	20	PASS

11A	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	50	-20000.00	-3.481288	20	PASS
11A	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	-20	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	0	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	10	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	20	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	50	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	0	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	50	-20000.00	-3.457217	20	PASS
11A	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	-10	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	0	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	10	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	50	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	-20	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	-10	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	30	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	40	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	50	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5180	NV	50	0.00	0.000000	20	PASS

11N20MI MO	Ant2	5180	NV	-30	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	-20	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	-10	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	0	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	10	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	20	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	30	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	40	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5180	NV	50	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	10	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	20	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	30	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5180	NV	40	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5220	NV	-20	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5220	NV	-10	-20000.00	-3.831418	20	PASS
11N20MI	Ant1	5220	NV	0	-20000.00	-3.831418	20	PASS

MO								
11N20MI MO	Ant1	5220	NV	10	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5220	NV	20	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5220	NV	30	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5220	NV	40	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5220	NV	50	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	-30	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	-20	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	-10	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	0	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	10	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	20	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	30	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	40	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant2	5220	NV	50	-20000.00	-3.831418	20	PASS
11N20MI MO	Ant1	5240	NV	-30	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS

11N20MI MO	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	-30	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	-20	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	10	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	20	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5240	NV	30	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant2	5240	NV	40	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5240	NV	50	-20000.00	-3.816794	20	PASS
11N20MI MO	Ant1	5745	NV	-30	0.00	0.000000	20	PASS
11N20MI MO	Ant1	5745	NV	-20	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	0	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11N20MI	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS

MO								
11N20MI MO	Ant2	5745	NV	-30	-40000.00	-6.962576	20	PASS
11N20MI MO	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	-10	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	0	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	10	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	20	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	30	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant2	5745	NV	50	-20000.00	-3.481288	20	PASS
11N20MI MO	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	-20	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	0	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	10	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	20	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5785	NV	50	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS

11N20MI MO	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	0	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant2	5785	NV	50	-20000.00	-3.457217	20	PASS
11N20MI MO	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	-10	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	0	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	10	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant1	5825	NV	50	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	-20	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	-10	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
11N20MI	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS

MO								
11N20MI MO	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	30	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	40	-20000.00	-3.433476	20	PASS
11N20MI MO	Ant2	5825	NV	50	-20000.00	-3.433476	20	PASS
11N40MI MO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	10	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	20	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	40	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	0	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	10	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	20	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	30	-40000.00	-7.707129	20	PASS

11N40MI MO	Ant2	5190	NV	40	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant2	5190	NV	50	-40000.00	-7.707129	20	PASS
11N40MI MO	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	-10	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	-20	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	-10	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	10	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	20	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	40	-40000.00	-7.648184	20	PASS
11N40MI MO	Ant2	5230	NV	50	-40000.00	-7.648184	20	PASS
11N40MI	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS

MO								
11N40MI MO	Ant1	5755	NV	-20	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	10	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	20	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	30	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5755	NV	50	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	-30	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	-20	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	-10	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	0	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	10	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	20	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	30	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	40	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant2	5755	NV	50	-40000.00	-6.950478	20	PASS
11N40MI MO	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	-20	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS

11N40MI MO	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	10	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	40	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	-30	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	-20	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	-10	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	0	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	10	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	20	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	30	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	40	-40000.00	-6.902502	20	PASS
11N40MI MO	Ant2	5795	NV	50	-40000.00	-6.902502	20	PASS
11AC20M IMO	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	10	0.00	0.000000	20	PASS
11AC20M	Ant1	5180	NV	20	0.00	0.000000	20	PASS

IMO								
11AC20M IMO	Ant1	5180	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	40	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5180	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	-30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	40	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5180	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5220	NV	-30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5220	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5220	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5220	NV	0	-20000.00	-3.831418	20	PASS
11AC20M IMO	Ant1	5220	NV	10	-20000.00	-3.831418	20	PASS
11AC20M IMO	Ant1	5220	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5220	NV	30	-20000.00	-3.831418	20	PASS
11AC20M IMO	Ant1	5220	NV	40	0.00	0.000000	20	PASS

11AC20M IMO	Ant1	5220	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	-30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	20	-20000.00	-3.831418	20	PASS
11AC20M IMO	Ant2	5220	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	40	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5220	NV	50	-20000.00	-3.831418	20	PASS
11AC20M IMO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AC20M IMO	Ant1	5240	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	40	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11AC20M IMO	Ant2	5240	NV	-30	0.00	0.000000	20	PASS
11AC20M	Ant2	5240	NV	-20	0.00	0.000000	20	PASS

IMO								
11AC20M IMO	Ant2	5240	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	40	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5240	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5745	NV	-20	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5745	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5745	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5745	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5745	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5745	NV	-30	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant2	5745	NV	-10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5745	NV	0	0.00	0.000000	20	PASS

11AC20M IMO	Ant2	5745	NV	10	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5745	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5745	NV	30	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant2	5745	NV	50	-20000.00	-3.481288	20	PASS
11AC20M IMO	Ant1	5785	NV	-30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5785	NV	-20	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5785	NV	0	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5785	NV	10	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5785	NV	20	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5785	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5785	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	0	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS

IMO								
11AC20M IMO	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant2	5785	NV	50	-20000.00	-3.457217	20	PASS
11AC20M IMO	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	-10	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	0	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5825	NV	10	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant1	5825	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	-20	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5825	NV	-10	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	30	0.00	0.000000	20	PASS
11AC20M IMO	Ant2	5825	NV	40	-20000.00	-3.433476	20	PASS
11AC20M IMO	Ant2	5825	NV	50	0.00	0.000000	20	PASS

11AC40M IMO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5190	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	-20	0.00	0.000000	20	PASS
11AC40M	Ant1	5230	NV	-10	0.00	0.000000	20	PASS

IMO								
11AC40M IMO	Ant1	5230	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5230	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5230	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	10	0.00	0.000000	20	PASS

11AC40M IMO	Ant1	5755	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5755	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5755	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant1	5795	NV	-20	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant1	5795	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5795	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5795	NV	10	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11AC40M	Ant1	5795	NV	40	0.00	0.000000	20	PASS

IMO								
11AC40M IMO	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant2	5795	NV	-30	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant2	5795	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5795	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5795	NV	0	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant2	5795	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5795	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5795	NV	30	-40000.00	-6.902502	20	PASS
11AC40M IMO	Ant2	5795	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5795	NV	50	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5210	NV	-30	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	-20	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	-10	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	0	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	10	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	20	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	30	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	40	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5210	NV	50	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	-30	-80000.00	-15.355086	20	PASS

11AC80M IMO	Ant2	5210	NV	-20	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	-10	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	0	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	10	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	20	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	30	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	40	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant2	5210	NV	50	-80000.00	-15.355086	20	PASS
11AC80M IMO	Ant1	5775	NV	-30	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	-20	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	-10	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	0	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	10	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	20	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	30	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	40	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	50	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	-30	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	-20	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	-10	-80000.00	-13.852814	20	PASS
11AC80M	Ant2	5775	NV	0	-80000.00	-13.852814	20	PASS

IMO								
11AC80M IMO	Ant2	5775	NV	10	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	20	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	30	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	40	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	50	-80000.00	-13.852814	20	PASS
11AX20M IMO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	-30	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	-20	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	-10	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	0	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	10	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	20	-20000.00	-3.861004	20	PASS

11AX20M IMO	Ant2	5180	NV	30	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	40	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant2	5180	NV	50	-20000.00	-3.861004	20	PASS
11AX20M IMO	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	-20	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	-10	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	0	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	10	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	20	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	30	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	40	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant1	5220	NV	50	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	-30	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	-20	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	-10	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	0	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	10	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	20	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	30	-20000.00	-3.831418	20	PASS
11AX20M IMO	Ant2	5220	NV	40	-20000.00	-3.831418	20	PASS
11AX20M	Ant2	5220	NV	50	-20000.00	-3.831418	20	PASS

IMO								
11AX20M IMO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	-20	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	-10	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	0	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	10	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	20	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	30	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	40	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant2	5240	NV	50	-20000.00	-3.816794	20	PASS
11AX20M IMO	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	-20	-20000.00	-3.481288	20	PASS

11AX20M IMO	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	0	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	-30	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	-10	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	0	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	10	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	20	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	30	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant2	5745	NV	50	-20000.00	-3.481288	20	PASS
11AX20M IMO	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	-20	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	0	-20000.00	-3.457217	20	PASS
11AX20M	Ant1	5785	NV	10	-20000.00	-3.457217	20	PASS

IMO								
11AX20M IMO	Ant1	5785	NV	20	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5785	NV	50	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	0	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant2	5785	NV	50	-20000.00	-3.457217	20	PASS
11AX20M IMO	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	-10	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	0	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	10	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS

11AX20M IMO	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant1	5825	NV	50	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	-20	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	-10	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	30	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	40	-20000.00	-3.433476	20	PASS
11AX20M IMO	Ant2	5825	NV	50	-20000.00	-3.433476	20	PASS
11AX40M IMO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11AX40M	Ant2	5190	NV	-30	0.00	0.000000	20	PASS

IMO								
11AX40M IMO	Ant2	5190	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5190	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5230	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	-10	0.00	0.000000	20	PASS

11AX40M IMO	Ant2	5230	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5230	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5755	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	10	0.00	0.000000	20	PASS
11AX40M	Ant2	5755	NV	20	0.00	0.000000	20	PASS

IMO								
11AX40M IMO	Ant2	5755	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5755	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	40	0.00	0.000000	20	PASS
11AX40M IMO	Ant1	5795	NV	50	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	-30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	-20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	-10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	0	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	10	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	20	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	30	0.00	0.000000	20	PASS
11AX40M IMO	Ant2	5795	NV	40	0.00	0.000000	20	PASS

11AX40M IMO	Ant2	5795	NV	50	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	-20	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	0	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	20	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	30	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	40	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5210	NV	50	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	-30	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	-20	-80000.00	-15.355086	20	PASS
11AX80M IMO	Ant2	5210	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	0	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	20	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	30	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	40	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5210	NV	50	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	-30	0.00	0.000000	20	PASS
11AX80M	Ant1	5775	NV	-20	0.00	0.000000	20	PASS

IMO								
11AX80M IMO	Ant1	5775	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	0	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	20	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	30	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	40	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5775	NV	50	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	-30	-80000.00	-13.852814	20	PASS
11AX80M IMO	Ant2	5775	NV	-20	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	0	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	20	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	30	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	40	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5775	NV	50	0.00	0.000000	20	PASS

*** End of Report ***