

Morganton Base Station Coords																			
	Time Span	Interval in Sec	Processor	Overall RMS in ft.	Northing	Easting	Elevation		Processor	Overall RMS in ft	Northing	Easting	Elevation		Processor	Overall RMS in Ft	Northing	Easting	Elevation
Base Location from Static Files																			
8/27/2021	24 Hours	30	OPUS	0.062	735696.754	1203361.816	1113.147		GIODIS	0.022	735696.741	1203361.868	1113.085		JUSTIN	0.025	735696.788	1203361.868	1113.223
8/28/2021	24 Hours	30	OPUS	0.052	735696.744	1203361.819	1113.164		GIODIS	0.016	735696.734	1203361.875	1113.115		JUSTIN	0.029	735696.781	1203361.882	1113.236
8/29/2021	24 Hours	30	OPUS	0.049	735696.760	1203361.812	1113.131		GIODIS	0.018	735696.734	1203361.868	1113.088		JUSTIN	0.040	735696.779	1203361.843	1113.259
8/30/2021	24 Hours	30	OPUS	0.061	735696.750	1203361.819	1113.147		GIODIS	0.010	735696.714	1203361.881	1113.085		JUSTIN	0.034	735696.774	1203361.881	1113.272
8/31/2021	24 Hours	30	OPUS	0.052	735696.757	1203361.819	1113.151		GIODIS	0.012	735696.727	1203361.868	1113.108		JUSTIN	0.023	735696.791	1203361.876	1113.250
9/1/2021	24 Hours	30	OPUS	0.049	735696.767	1203361.822	1113.157		GIODIS	0.020	735696.741	1203361.875	1113.131		JUSTIN	0.032	735696.800	1203361.874	1113.226
9/2/2021	24 Hours	30	OPUS	0.049	735696.754	1203361.816	1113.131		GIODIS	0.015	735696.737	1203361.871	1113.078		JUSTIN	0.023	735696.783	1203361.869	1113.198
9/3/2021	24 Hours	30	OPUS	0.043	735696.757	1203361.812	1113.141		GIODIS	0.010	735696.724	1203361.871	1113.082		JUSTIN	0.017	735696.785	1203361.868	1113.235
9/4/2021	24 Hours	30	OPUS	0.046	735696.766	1203361.816	1113.128		GIODIS	0.017	735696.744	1203361.865	1113.088		JUSTIN	0.023	735696.785	1203361.865	1113.217
9/5/2021	24 Hours	30	OPUS	0.046	735696.760	1203361.812	1113.154		GIODIS	0.018	735696.747	1203361.868	1113.105		JUSTIN	0.035	735696.782	1203361.853	1113.252
9/6/2021	24 Hours	30	OPUS	0.052	735696.757	1203361.799	1113.124		GIODIS	0.017	735696.741	1203361.871	1113.105		JUSTIN	0.040	735696.798	1203361.861	1113.188
Average			OPUS	0.051	735696.757	1203361.815	1113.143		GIODIS	0.016	735696.735	1203361.871	1113.097		JUSTIN	0.029	735696.786	1203361.867	1113.232
Differences				0.020	0.023	0.023	0.039		GIODIS	0.01	0.03	0.02	0.05		JUSTIN	0.02	0.03	0.04	0.08
Difference between Averages of OPUS and GIODIS				Difference between Averages of OPUS and Justin				Difference between Averages of GIODIS and JUSTIN											
Northing	0.022			Northing	-0.029			Northing	-0.051										
Easting	-0.056			Easting	-0.052			Easting	0.004										
Elevation	0.046			Elevation	-0.089			Elevation	-0.135										
RMS	0.035			RMS	0.022			RMS	-0.013										
Average Base Coordinate from OPUS/GIODIS				Average Base Coordinate OPUS and JUSTIN				Average Base Coordinate GIODIS and JUSTIN											
Northing	735696.746			Northing	735696.771			Northing	735696.760										
Easting	1203361.843			Easting	1203361.841			Easting	1203361.869										
Elevation	1113.120			Elevation	1113.188			Elevation	1113.165										
Combined Based Average All 3 reduction processes																			
Northing	735696.759																		
Easting	1203361.851																		
Elevation	1113.158																		
Note:																			
OPUS is GPS only 3 cors stations				MARI - NCMG - NCHI															
GIODIS is GPS Only 8 CORS stations				MARI - NCMG - NCHI - NCNE - NCSP - ASUB - NCSS - NCBR															
JUSTIN is All Constellations available 5 CORS				MARI - NCMG - NCHI - NCNE - NCSP															