

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
							Geoid18						Geoid12B						Geoid18
Base Location from Static Files																			
1/15/2022	24 Hours	30	OPUS	0.039	735696.793	1203361.967	1113.115		GIODIS	0.021	735696.800	1203362.029	1113.111		JUSTIN	0.002	735696.82	1203362.03	1113.212
1/16/2022	24 Hours	30	OPUS	0.046	735696.777	1203361.983	1113.118		GIODIS	0.006	735696.754	1203362.009	1113.075		JUSTIN	0.002	735696.821	1203362.014	1113.207
1/17/2022	24 Hours	30	OPUS	0.049	735696.783	1203361.983	1113.124		GIODIS	0.010	735696.760	1203362.029	1113.046		JUSTIN	0.002	735696.821	1203362.032	1113.191
1/18/2022	24 Hours	30	OPUS	0.049	735696.786	1203361.999	1113.105		GIODIS	0.013	735696.747	1203362.055	1113.088		JUSTIN	0.002	735696.818	1203362.055	1113.207
1/19/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.983	1113.108		GIODIS	0.008	735696.754	1203362.036	1113.056		JUSTIN	0.002	735696.815	1203362.046	1113.209
1/20/2022	24 Hours	30	OPUS	0.043	735696.780	1203361.980	1113.118		GIODIS	0.011	735696.750	1203362.042	1113.085		JUSTIN	0.002	735696.812	1203362.043	1113.209
1/21/2022	24 Hours	30	OPUS	0.039	735696.773	1203361.970	1113.124		GIODIS	0.008	735696.747	1203362.029	1113.056		JUSTIN	0.002	735696.808	1203362.028	1113.203
1/22/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.980	1113.105		GIODIS	0.008	735696.757	1203362.039	1113.056		JUSTIN	0.002	735696.813	1203362.042	1113.199
1/23/2022	24 Hours	30	OPUS	0.043	735696.780	1203361.983	1113.108		GIODIS	0.007	735696.750	1203362.045	1113.062		JUSTIN	0.002	735696.809	1203362.048	1113.211
1/24/2022	24 Hours	30	OPUS	0.046	735696.780	1203361.986	1113.111		GIODIS	0.010	735696.741	1203362.036	1113.072		JUSTIN	0.002	735696.811	1203362.05	1113.22
1/25/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.983	1113.115		GIODIS	0.010	735696.747	1203362.036	1113.052		JUSTIN	0.002	735696.819	1203362.043	1113.213
1/26/2022	24 Hours	30	OPUS	0.043	735696.786	1203361.983	1113.105		GIODIS	0.009	735696.757	1203362.039	1113.056		JUSTIN	0.002	735696.82	1203362.038	1113.205
1/27/2022	24 Hours	30	OPUS	0.043	735696.786	1203361.983	1113.105		GIODIS	0.009	735696.754	1203362.042	1113.062		JUSTIN	0.002	735696.818	1203362.045	1113.207
1/28/2022	24 Hours	30	OPUS	0.039	735696.780	1203361.983	1113.121		GIODIS	0.012	735696.790	1203362.009	1113.078		JUSTIN	0.002	735696.809	1203362.041	1113.212
1/29/2022	24 Hours	30	OPUS	0.046	735696.767	1203361.996	1113.098		GIODIS	0.023	735696.747	1203362.065	1113.075		JUSTIN	0.003	735696.791	1203362.048	1113.211
1/20/2022	24 Hours	30	OPUS	0.044	735696.786	1203361.983	1113.111		GIODIS	0.009	735696.750	1203362.039	1113.049		JUSTIN	0.002	735696.805	1203362.048	1113.205
1/21/2022	24 Hours	30	OPUS	0.039	735696.773	1203361.970	1113.124		GIODIS	0.011	735696.747	1203362.029	1113.056		JUSTIN	0.002	735696.808	1203362.028	1113.203
1/22/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.980	1113.105		GIODIS	0.008	735696.757	1203362.039	1113.056		JUSTIN	0.002	735696.813	1203362.042	1113.199
1/23/2022	24 Hours	30	OPUS	0.043	735696.780	1203361.983	1113.108		GIODIS	0.007	735696.750	1203362.045	1113.062		JUSTIN	0.002	735696.809	1203362.048	1113.211
1/24/2022	24 Hours	30	OPUS	0.046	735696.780	1203361.986	1113.111		GIODIS	0.010	735696.741	1203362.036	1113.072		JUSTIN	0.002	735696.811	1203362.05	1113.22
1/25/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.983	1113.115		GIODIS	0.010	735696.747	1203362.036	1113.052		JUSTIN	0.002	735696.819	1203362.043	1113.213
1/26/2022	24 Hours	30	OPUS	0.043	735696.780	1203361.983	1113.105		GIODIS	0.009	735696.757	1203362.039	1113.056		JUSTIN	0.002	735696.82	1203362.038	1113.205
1/27/2022	24 Hours	30	OPUS	0.043	735696.786	1203361.983	1113.105		GIODIS	0.009	735696.754	1203362.042	1113.062		JUSTIN	0.002	735696.818	1203362.045	1113.207
1/28/2022	24 Hours	30	OPUS	0.039	735696.780	1203361.983	1113.121		GIODIS	0.012	735696.790	1203362.009	1113.078		JUSTIN	0.002	735696.809	1203362.041	1113.212
1/29/2022	24 Hours	30	OPUS	0.046	735696.767	1203361.996	1113.098		GIODIS	0.023	735696.747	1203362.065	1113.075		JUSTIN	0.003	735696.791	1203362.048	1113.211
1/30/2022	24 Hours	30	OPUS	0.043	735696.786	1203361.983	1113.111		GIODIS	0.009	735696.750	1203362.039	1113.049		JUSTIN	0.002	735696.805	1203362.048	1113.205
1/31/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.983	1113.108		GIODIS	0.011	735696.741	1203362.036	1113.069		JUSTIN	0.003	735696.82	1203362.038	1113.211
2/1/2022	24 Hours	30	OPUS	0.043	735696.783	1203361.983	1113.111		GIODIS	0.009	735696.737	1203362.036	1113.059		JUSTIN	0.003	735696.823	1203362.027	1113.213
2/2/2022	24 Hours	30	OPUS	0.046	735696.773	1203361.980	1113.147		GIODIS	0.008	735696.744	1203362.039	1113.069		JUSTIN	0.002	735696.813	1203362.044	1113.211
2/3/2022	24 Hours	30	OPUS	0.043	735696.773	1203361.980	1113.121		GIODIS	0.016	735696.744	1203361.881	1113.131		JUSTIN	0.002	735696.813	1203362.037	1113.217
2/4/2022	24 Hours	30	OPUS	0.054	735696.767	1203361.996	1113.147		GIODIS	0.011	735696.734	1203361.885	1113.092		JUSTIN	0.003	735696.819	1203362.046	1113.232
2/5/2022	24 Hours	30	OPUS	0.046	735696.770	1203361.999	1113.124		GIODIS	0.011	735696.727	1203361.875	1113.085		JUSTIN	0.002	735696.817	1203362.043	1113.218
2/6/2022	24 Hours	30	OPUS	0.043	735696.777	1203361.980	1113.111		GIODIS	0.016	735696.734	1203361.881	1113.095		JUSTIN	0.002	735696.813	1203362.034	1113.208
	24 Hours	30	OPUS						GIODIS						JUSTIN				
Average			OPUS	0.044	735696.780	1203361.984	1113.114		GIODIS	0.011	735696.752	1203362.018	1113.070		JUSTIN	0.002	735696.813	1203362.041	1113.210
Max Spread			OPUS	0.014	0.026	0.033	0.049		GIODIS	0.017	0.072	0.190	0.085		JUSTIN	0.001	0.032	0.041	0.041
Difference between Averages of OPUS and GIODIS				Difference between Averages of OPUS and Justin					Difference between Averages of GIODIS and JUSTIN										
Northing	0.028			Northing	-0.033			Northing	-0.061										
Easting	-0.034			Easting	-0.057			Easting	-0.023										
Elevation	0.045			Elevation	-0.096			Elevation	-0.140										
RMS	0.033			RMS	0.041			RMS	0.009										
Average Base Coordinate from OPUS/GIODIS				Average Base Coordinate OPUS and JUSTIN					Average Base Coordinate GIODIS and JUSTIN										
Northing	735696.766			Northing	735696.796			Northing	735696.782										
Easting	1203362.001			Easting	1203362.012			Easting	1203362.029										
Elevation	1113.092			Elevation	1113.162			Elevation	1113.140										
Combined Base Average All 3 reduction processes				Note:															
Northing	735696.782			OPUS is GPS only 3 cors stations				MARI - NCMG - NCHI											
Easting	1203362.014																		
Elevation	1113.131			JUSTIN is All Constellations available 5 CORS				MARI - NCMG - NCHI - NCNE - NCSP											