

Trilogy Test:

Location: ASC Driggs Test Facility
Date: 07/31/2003
Instrumentation: T3000 (2)
Measurement Volume: ~1500 CuFt
Ambient Temperature: 78F +-5F
Total # Of Stations: 2 {12 & 6 oclock positions}
Instruments per Station: 2
Geometric Leverage: Variable
Procedure: Calibrate Instruments, on-site, per Trilogy [Details];
Place Vertical 1sec Plumb Plane1 containing CP1 & CP2;
Place Vertical 1sec Plumb Plane2 containing CP3 & CP4, Orthogonal to Plane1;
Start Trilogy measurement project;
Measure CP1, CP2, CP3, CP4, CP5 from each of two stations;
Calculate Sta2 to 1.
Bundle.
Error (inch): All Station Calculations, DoubleCenter: .0016 RMS, .0023 WorstFit.
All Station Calculations, Direct Only: .001 RMS, .0012 WorstFit.
Bundled, DoubleCenter: .0012 Total Variance.
Bundled, Direct: .0021 Total Variance.

Perpendicularity Check; Plane1-to-Plane2: 0.0022 across 166.7
Calc'dError= 0.000013 Inch/Inch

Active Ori= ICS1

Listed Below; Coordinates Converted and BUNDLED To ICS1:

CP1_D	107.3757	-33.3658	-53.9953	RH 2Bundled 08-22-2003 Delta=0.00085	08:56:24
CP1_DC	107.3763	-33.3671	-53.9943	RH 2Bundled 08-22-2003 Delta=0.00038	08:56:24
CP2_DC	111.5278	-260.5721	-53.7377	RH 2Bundled 08-22-2003 Delta=0.00108	08:56:24
CP2_D	111.5287	-260.5688	-53.7370	RH 2Bundled 08-22-2003 Delta=0.00213	08:56:24
CP3_D	189.0300	-142.5233	-55.6327	RH 2Bundled 08-22-2003 Delta=0.00166	08:56:24
CP3_DC	189.0298	-142.5246	-55.6319	RH 2Bundled 08-22-2003 Delta=0.00116	08:56:24
CP4_DC	22.3213	-145.5728	-55.4572	RH 2Bundled 08-22-2003 Delta=0.00034	08:56:24
CP4_D	22.3211	-145.5714	-55.4580	RH 2Bundled 08-22-2003 Delta=0.00058	08:56:24
CP5_D	109.3277	-143.9960	-8.6774	RH 2Bundled 08-22-2003 Delta=0.00063	08:56:24
CP5_DC	109.3278	-143.9969	-8.6767	RH 2Bundled 08-22-2003 Delta=0.00067	08:56:24

Active Ori= OR11 {Perpendicularity Check}

Listed Below; Coordinates Converted To OR11:

CP1_D	-1.27E-03	6.63E-05	-0.00169	RH 07-31-2003 15:32:13
CP1_DC	-4.26E-13	3.34E-13	-4.55E-14	RH 07-31-2003 15:35:26
CP2_DC	227.2420678	1.37E-12	0.256814	RH 07-31-2003 15:39:24
CP2_D	227.2408285	3.17E-03	0.256908	RH 07-31-2003 15:39:44
CP3_D	110.6294222	79.64781	-1.63875	RH 07-31-2003 15:42:28
CP3_DC	110.6312808	79.64716	-1.63778	RH 07-31-2003 15:45:50
CP4_DC	110.6335213	-87.0903	-1.46291	RH 07-31-2003 15:50:31
CP4_D	110.6318277	-87.0904	-1.46416	RH 07-31-2003 15:50:48
CP5_D	110.6461802	-6.90E-02	45.31718	RH 07-31-2003 15:58:07
CP5_DC	110.6476045	-6.97E-02	45.31801	RH 07-31-2003 16:00:05