

Norm delta_x:
2.90924403717456e-12

EOP =

14x8 table

Ran_NUM	Photo_NUM	Omega	phi	Kappa	X0	Y0	Z0
1	1	1160.60038637788	6349.56128340508	2185.26819054804	-0.00213825532446947	0.0115643050286733	4.72549292530889
1	2	1148.3637877043	5482.27516798121	2184.75480758177	-0.00250572445110735	0.00978091740715308	4.72095854178963
1	3	1142.33524915305	4611.62288660471	2184.13930043141	-0.00039552488567429	0.00938840856914045	4.71612933787641
1	4	1130.85399338238	3739.91320583509	2183.99836260299	-0.000585003800606455	0.0095948178504184	4.71599722513758
1	5	1131.00544202684	2900.21463704985	2183.94982003966	-0.000793484697555887	0.00832899308840292	4.70765395502774
1	6	1128.35374790378	2028.54934869995	2183.78857379008	-0.00100857909796446	0.0106362094657168	4.71840307366836
1	7	1125.60071376763	1188.84081523319	2183.82967301178	-0.00231087324044922	0.00725664238748371	4.71433988055109
2	1	2753.02254588527	5945.00454273247	2184.27872791588	0.0031827568385476	0.00671780688658423	4.72016460747338
2	2	2773.37058239106	5057.9876330693	2184.68512573578	0.00166372325065715	0.0089580708223293	4.72467418660218
2	3	2791.16883358221	4199.66549578632	2185.03809592384	0.00129378066303559	0.00802267139540121	4.72289767643828
2	4	2808.60533381672	3337.0397374874	2184.85875693502	-0.000378148022806553	0.00780166528297241	4.72711640165883
2	5	2823.97411312031	2471.9826855287	2185.29676104829	-0.00151693804853847	0.00949613500734095	4.73118768719189
2	6	2835.96867860724	1604.89275427505	2185.01381821753	-0.00298145485912348	0.0113919237698964	4.73318925688622
2	7	2841.30101192727	734.029031753122	2183.88488636672	-0.00198503310775848	0.0147267130773475	4.73781779907648

Tie_Coordinate =

50x4 table

ID	Xtie	Ytie	Ztie

1	2091.26849463467	5867.57446707336	644.402486912566
2	1326.99075549946	6533.69789565846	611.591635950718
3	2071.25683591961	6434.70079623954	635.499140938048
4	261.965919624831	5457.46993426646	632.260720486415
5	2170.80445016188	5166.07584483581	652.558036619891
6	1783.12491482444	4983.273301666	651.434897586165
7	2156.46813302579	4629.73408323938	658.765156361863
8	1231.03569538089	5468.49296451695	646.523917617422
9	2111.6067348889	5434.69573380943	650.351072940226
10	1792.91421629167	4348.31270443496	656.766716858906
11	2157.361841171	4131.14857174257	659.546501738851
12	1174.2735271338	4712.74562147744	650.096600645628
13	2034.84677332418	4626.47068546609	656.841675159553
14	282.939722798054	3660.20561532311	619.410760608586
15	2183.13141351944	3681.27379142009	668.633127785597
16	1920.13678582022	3401.02719684303	667.955959784077
17	2147.31190453673	3171.71082117082	670.71373884242
18	1809.41462582735	3026.40525458229	671.43911802691
19	1050.91429884953	3842.35930798849	656.356060510531
20	2145.43557250618	3742.45960369159	666.62873761907
21	2149.94029089579	2774.00598981177	675.185651634977
22	1867.33524400811	2536.00066052917	674.93163777203
23	1186.93936475571	2939.38568419077	663.26405004563
24	2110.15199224002	2797.81072039606	674.260366178691
25	359.709418362763	2053.63606977132	666.917558064617
26	1837.95993422113	2000.99993766241	678.813436545203
27	2073.51360362694	1347.08757029002	685.69240154663
28	2130.34525091122	1831.7544649746	683.723079212525

29	1228.31469484439	2091.39445522965	674.97250751911
30	2070.36210301802	2039.68779205406	680.958074026621
31	2125.1923104304	843.31256847684	685.991302672604
32	1167.58509827845	1198.03400274719	677.67456064374
33	2061.21191884317	1230.70885013005	687.603450801178
34	1776.41190024392	5915.49448708031	644.099429072792
35	2858.8144843707	5967.3989871085	644.248007221059
36	1877.568396499	5119.3058477684	649.790351489392
37	2665.47094006763	5092.91004361912	657.472166311964
38	3718.90961322307	5044.80313527325	659.324366829781
39	1866.29645128725	4216.9728202574	656.530514651697
40	2825.71500685264	4244.80401935758	666.459471185488
41	1818.86680846446	3361.66658172544	665.899452072096
42	2840.8808095552	3279.78823223903	673.636563122861
43	3812.95326932609	3321.89040229433	677.58963799845
44	1893.29402224741	2494.05504769559	675.857934450967
45	2898.74182608031	2529.81066457158	678.390978881059
46	1966.510686211	1591.64204408645	683.911415125166
47	2799.1178537701	1574.835691411	683.292345456735
48	3774.81451319035	1583.1284341996	695.318015213967
49	2011.79113885184	742.072321829504	685.537928289881
50	2919.06926988093	669.145757660754	688.771526233234

RMSE =

0.0804346660992401

Elapsed time is 39.203486 seconds.

>>