



Ministerio de Medio Ambiente,
y Medio Rural y Marino

Anejo nº 5

RESTITUCION FOTOGRAMÉTRICA



MINISTERIO
DE MEDIO AMBIENTE

SECRETARÍA DE ESTADO
DE AGUAS Y COSTAS

DIRECCIÓN GENERAL
DE COSTAS

MINISTERIO DE MEDIO AMBIENTE
DIRECCION GENERAL DE COSTAS
DEMARCAACION DE COSTAS EN ANDALUCIA ATLANTICO

PROYECTO:

"AT PARA PROYECTOS DE DESLINDES EN VARIAS TRAMOS EN LA PROVINCIA DE CADIZ. FASE V.

Tramo: Marismas del río Barbate

VOLUMEN : MEMORIA DEL TRABAJO

FECHA: Agosto, 2.006

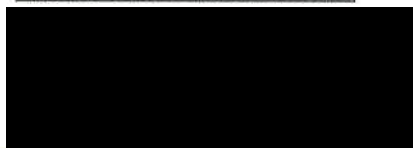


PENTIA

ingeniería



EMPRESA CONSULTORA:



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**MEMORIA TOPOGRAFICA
MEDIOS MATERIALES
EQUIPO HUMANO**

1. MEMORIA TOPOGRAFICA

Planificación y estudio de la documentación existente.

Identificado el tramo, se acuerda con la dirección de los trabajos que con posterioridad a la fecha del vuelo existente, perteneciente a la Dirección General de Costas, del año 2.000, la zona ha sido objeto de una importante variación que no está recogida ni en el vuelo ni en la cartografía existente. Por todo ello se plantea una actualización de la cartografía mediante **nueva restitución**.

Marismas de Barbate.

Las Marismas de Barbate se realizaron mediante apoyo GPS de todo el Bloque de pasadas del vuelo del año 2000. Se encontraron grandes diferencias entre el terreno y las fotos del vuelo, sobre todo en terrenos rústicos, lo que dificultó considerablemente la realización del trabajo.

Se tuvo que ir a campo una segunda vez porque el vuelo del años 2000 no cubría suficientemente determinadas zonas del proyecto. En este segundo viaje se empleó el vuelo del año 1988, que sí cubría las zonas objeto de estudio.

Se enlazó con el vértice geodésico Cabeza. Los datos referentes al cálculo figuran en los capítulos de Cálculos.

Todo el tramo es de nueva restitución.

2. MEDIOS MATERIALES

Para estos trabajos se han empleado los siguientes equipos:

Campo.

- Teodolitos T-1000 (Wild). (s/n 323892)
- Teodolitos T-1000 (Wild). (s/n 339065)
- Distanciómetros DI-3000 (Wild). (s/n 62935)
- Distanciómetros DI-3000 (Wild). (s/n 67569)
- Vehículo todoterreno Land Rover 2255 CRV.
- Trípodes, jalones, prismas, radioteléfonos, Cámara fotos.

Equipos GPS

- Receptor GPS 4000 SSE: (Trimble). (s/n: 3242 A01605)
- Receptor GPS 4000 SSE: (Trimble) (s/n: 3308A02529)
- Antena GPS kinematic L1/L2 (TRIMBLE)(s/n:0220151282)
- Antena GPS Geodetic SSE L1/L2 (Trimble) (s/n:0220007967)

Gabinete:

- HEWLETT PACKARD, DesignJet 5000PS. (s/n: esa0b05470).
- Sistema de Edición DIGI 3D (s/n 1009)
- Sistema de Edición DIGI 3D (s/n 1010)
- Microstation 95, SE, J.
- Autocad hasta la versión 2.000

Fotogrametría

Equipos de Restitución- edición- Aerotriangulación:

- DIGI 3D. (s/n: 1009).
- DIGI 3D. (s/n: 1010).

Equipos de Ortos – correlación Automática:

- DIGI 3D. (s/n: 1011)
- DIGI MDTOP



Equipo Clásica



Equipo GPS

3. EQUIPO HUMANO

Compuesto por:

- **Mariano Bagüés Enríquez de Luna: Topógrafo N° colegiado 2934**
- **José Luís Barrios Santamaria: I.T. Forestal. (Op. Fotogrametría)**
- **Carmen Martín Gomez: I.T. Forestal. (Op. Fotogrametria)**

4. CALCULOS Y LISTADOS



BARBATE.TXT

**** Adjusted Coordinates ****

Projection Group: UTM
 Zone Name: 30
 Linear Units: meter
 Angular Units: degrees
 Datum Name: Hayfor
 Station Station

Ortho. Ellip.
 Short Name ID
 Height Height

		North	East
1052	1052	4008637.81383	238204.81208
	0.00000		
1061	1061	4009315.19714	238401.80175
	0.00000		
1062	1062	4009096.27309	237883.57089
	0.00000		
1071	1071	4009645.54955	238148.51016
	0.00000		
1072	1072	4009389.70421	238010.73696
	0.00000		
1111	1111	4011565.05737	237520.82941
	0.00000		
1112	1112	4011166.12667	237172.43529
	0.00000		
11410001	11410001	4012918.47412	237148.05853
	0.00000		
11420001	11420001	4012449.83434	236375.05567
	0.00000		
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	0.00000		
1212	1212	4015502.58498	235079.50783
	0.00000		
391	391	4008023.51986	240292.42130
	0.00000		
481	481	4012178.50382	239075.90020
	0.00000		
482	482	4011660.22956	238460.28479
	0.00000		
501	501	4012738.18382	238341.09808
	0.00000		
541	541	4014688.11086	237950.26134
	0.00000		
542	542	4014573.61104	237044.08445
	0.00000		
551	551	4011961.29167	240040.33016
	0.00000		
563	563	4011655.59434	240058.69446
	0.00000		
621	621	4008657.95596	241157.92020
	0.00000		
622	622	4008453.93610	240426.80938
	0.00000		
701	701	4010624.94453	237210.44420
	0.00000		
702	702	4010239.03171	236767.24432
	0.00000		
742	742	4012202.21570	235795.88578
	0.00000		
782	782	4013923.49672	235009.45946
	0.00000		
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	0.00000		
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	0.00000		
831	831	4014318.52906	236913.37809
	0.00000		
8510001	8510001	4013303.17721	237551.93007
	0.00000		

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BARB		BARB		
0.00000		18.06335		
GCABEZA		GCABEZA		
0.00000		33.10000		

***** End of Report *****

BARBAT2.TXT

**** Adjusted Coordinates ****

Projection Group: UTM
 Zone Name: 30
 Linear Units: meter
 Angular Units: degrees
 Datum Name: Hayfor
 Station Station
 Ortho. Ellip.
 Short Name ID
 Height Height

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0.00000	0.84330
8510001	8510001
0.00000	1.12278

North	East
4008637.81379	238204.81207
4009315.19710	238401.80174
4009096.27305	237883.57087
4009645.54951	238148.51014
4009389.70417	238010.73694
4011565.05733	237520.82939
4011166.12662	237172.43528
4012918.47407	237148.05851
4012449.83429	236375.05565
4015883.13863	235875.85328
4015502.58492	235079.50781
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4012178.50377	239075.90018
4011660.22951	238460.28477
4012738.18377	238341.09806
4014688.11081	237950.26132
4014573.61099	237044.08443
4011961.29162	240040.33014
4011655.59430	240058.69444
4008657.95593	241157.92018
4008453.93607	240426.80937
4010624.94448	237210.44419
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4013923.49666	235009.45945
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992		992		
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BARB		BARB		
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GCABEZA		GCABEZA		
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0.00000		3.97765	4011870.53659	240861.46721
5742		5742		
0.00000		2.14554	4011523.00465	240499.23116
5751		5751		
0.00000		4.50021	4011576.61083	241287.42497
5752		5752		
0.00000		1.23839	4010898.04447	240728.55438
5761		5761		
0.00000		13.39660	4010862.95537	241368.71018
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6242B		6242B		
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***** End of Report *****

PBARBAT.TXT

**** Adjusted Coordinates ****

Projection Group: UTM

Zone Name: 30

Linear Units: meter

Angular Units: degrees

Datum Name: Hayfor

Station Station

Ortho. Ellip.

Short Name ID

Height Height

69810001 69810001

0.00000 2.54352

69820001 69820001

0.00000 2.96636

69920001 69920001

0.00000 2.68920

69930001 69930001

0.00000 3.08156

7010001 7010001

0.00000 2.02004

7020001 7020001

0.00000 4.45840

BARB BARB

0.00000 18.06704

GCABEZA GCABEZA

0.00000 33.10000

North

East

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4008724.30409

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4008403.89156

236601.68839

4008861.61796

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4008056.07933

236974.30215

4008819.70436

237030.02071

4008932.23323

237299.48997

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***** End of Report *****

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237416.139	4009173.674	744.543							
4.795174677922460									
0.346386992767293	0.938088586552098	-0.002419715338051	Omega:	-0.1063					
-0.938088467185209	0.346391423433530	0.001734792725108	Phi:	0.1570					
0.002465557895709	0.001668997417372	0.999995567726119	Kappa:	77.4816					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237416.139	4009173.674	744.543							
0.346386992767293	-0.938088467185209	0.002465557895709	Omega:	-0.1104					
0.938088586552098	0.346391423433530	0.001668997417372	Phi:	-0.1540					
-0.002419715338051	0.001734792725108	0.999995567726119	Kappa:	-77.4816					

IMAGEN DERECHA

237605.334	4008723.982	744.645							
0.349624422864272	-0.936879809202960	0.004357297861196	Omega:	-0.2158					
0.936883842935974	0.349635146873046	0.001982149486321	Phi:	-0.2152					
-0.003380500310225	0.003389274094829	0.999988542453744	Kappa:	-77.2617					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32673	237140.70	4009077.32	9.85	-1.443	-61.143	-153.122	0.220	-0.015	
0.056									
32672	237411.22	4009173.36	12.76	-0.683	-1.261	-152.571	0.124	-0.028	-
0.165									
32671	237754.22	4009291.37	5.04	1.011	74.391	-154.358	-0.019	-0.039	
0.059									
33063	237943.51	4009025.77	0.38	66.662	92.239	-155.520	-0.073	0.042	
0.051									
9999	237030.02	4008819.70	4.45	40.982	-101.292	-154.286	-0.336	-0.095	
0.056									
9998	237564.26	4008737.50	0.00	95.667	-2.816	-155.489	0.084	0.135	-
0.057									

EM.= 0.155

Nombre del modelo: F:\7-2006\3267-3266.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237233.129 4009611.587 748.000
 4.636338361351260
 0.373477238317472 0.927359020289190 -0.022803507340511 Omega: -1.6925
 -0.927626038725706 0.373227360759230 -0.014535111239861 Phi: -0.3163
 -0.004968373658439 0.026581660387831 0.999634298428288 Kappa: 75.6328

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237233.129 4009611.587 748.000
 0.373477238317472 -0.927626038725706 -0.004968373658439 Omega: 0.9256
 0.927359020289190 0.373227360759230 0.026581660387831 Phi: -1.4518
 -0.022803507340511 -0.014535111239861 0.999634298428288 Kappa: -75.6264

IMAGEN DERECHA

237416.900 4009172.109 744.410
 0.346480605644209 -0.938057115426640 0.000195217503953 Omega: 0.0235
 0.938055834619997 0.346480464175733 0.001593449073884 Phi: -0.0995
 -0.001562385293211 -0.000368974281580 0.999998711404257 Kappa: -77.4753

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32683	236989.65	4009509.70	35.40	1.534	-60.988	-152.123	0.006	-0.009	-
0.016									
32682	237115.58	4009542.78	19.61	5.077	-33.229	-156.254	0.011	0.002	
0.004									
32681	237584.51	4009750.25	7.72	1.360	77.201	-161.776	-0.010	0.018	
0.010									
32673	237140.70	4009077.32	9.85	100.241	-65.728	-157.009	-0.001	0.005	-
0.060									
32672	237411.22	4009173.36	12.76	102.815	-3.870	-158.054	-0.008	-0.002	
0.130									
32671	237754.22	4009291.37	5.04	106.838	74.192	-161.733	0.003	-0.014	-
0.068									

EM.= 0.049

Nombre del modelo: F:\7-2006\3268-3267.abs
 Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237044.443 4010049.503 749.553
 4.687605308921193
 0.367283964162330 0.930001208359423 -0.014150693241560 Omega: -0.9250
 -0.930107243316374 0.367269174821555 -0.003724131618192 Phi: 0.1104
 0.001733666524972 0.014529476105715 0.999892938631168 Kappa: 76.0575

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237044.443 4010049.503 749.553
 0.367283964162330 -0.930107243316374 0.001733666524972 Omega: 0.2371
 0.930001208359423 0.367269174821555 0.014529476105715 Phi: -0.9009
 -0.014150693241560 -0.003724131618192 0.999892938631168 Kappa: -76.0550

IMAGEN DERECHA

237233.226 4009611.439 747.982
 0.373556549164941 -0.927592743178514 -0.005216069261454 Omega: 0.9398
 0.927329923741083 0.373301368559795 0.026557499237334 Phi: -1.4444
 -0.022687377775716 -0.014757744880001 0.999633678832260 Kappa: -75.6210

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32693	236726.46	4009936.52	56.08	-2.756	-74.088	-146.869	0.004	-0.009	-
0.012									
32692	237054.63	4010046.68	40.47	1.095	-0.400	-151.274	0.015	0.005	-
0.030									
32691	237425.87	4010263.06	5.28	-12.761	90.102	-160.088	-0.019	0.003	
0.044									
33083	237522.19	4009855.21	10.36	75.713	77.268	-158.956	0.005	0.014	-
0.028									
32683	236989.65	4009509.70	35.40	102.552	-55.376	-151.747	-0.005	0.008	
0.035									
32681	237584.51	4009750.25	7.72	101.414	81.400	-159.628	0.012	-0.018	-
0.008									
32682	237115.58	4009542.78	19.61	105.847	-27.848	-155.513	-0.012	-0.003	
0.000									

EM.= 0.022

Nombre del modelo: F:\7-2006\3269-3268.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236857.493	4010489.508	750.822		
4.700399114865012				
0.373877442015512	0.927467432286666	0.004452010727330	Omega:	0.2323
-0.927473717719951	0.373886146371543	-0.001285492189884	Phi:	-0.1819
-0.002856797275023	-0.003648506408921	0.999989263497520	Kappa:	75.6055

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236857.493	4010489.508	750.822		
0.373877442015512	-0.927473717719951	-0.002856797275023	Omega:	0.0818
0.927467432286666	0.373886146371543	-0.003648506408921	Phi:	0.2834
0.004452010727330	-0.001285492189884	0.999989263497520	Kappa:	-75.6054

IMAGEN DERECHA

237044.586	4010049.353	749.536		
0.367324678094166	-0.930091625763819	0.001465792289350	Omega:	0.2515
0.929987508085957	0.367306356947536	0.014466338514028	Phi:	-0.8909
-0.013993415133205	-0.003950674619322	0.999894282663403	Kappa:	-76.0523

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32703	236552.77	4010388.54	57.74	-3.899	-67.613	-147.718	-0.019	-0.033	
0.031									
32702	236848.57	4010502.40	23.37	-2.813	-0.173	-154.767	0.006	-0.003	-
0.032									
32701	237159.14	4010594.84	3.74	3.666	68.471	-158.678	0.030	0.022	-
0.015									
34093	237403.79	4010367.17	2.25	68.056	98.642	-158.701	-0.011	0.043	-
0.015									
701	237210.44	4010624.94	3.69	1.792	81.000	-158.671	0.001	-0.061	
0.085									
702	236767.24	4010239.03	50.79	42.677	-37.190	-148.923	-0.008	0.030	-
0.102									
32693	236726.46	4009936.52	56.08	99.116	-69.302	-147.786	-0.003	0.010	
0.048									
32692	237054.63	4010046.68	40.47	103.490	4.230	-150.825	-0.016	-0.005	
0.035									
32691	237425.87	4010263.06	5.28	90.343	94.713	-158.003	0.020	-0.002	-
0.034									

EM.= 0.042

Nombre del modelo: F:\7-2006\3270-3269.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236672.074 4010939.061 753.369
 4.784411448770054
 0.355482896897248 0.934241995059010 0.028701997869520 Omega: 1.8533
 -0.934673299783211 0.355449994642387 0.006412798226266 Phi: -0.2681
 -0.004211019580129 -0.029106631149766 0.999567442115442 Kappa: 76.8631

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236672.074 4010939.061 753.369
 0.355482896897248 -0.934673299783211 -0.004211019580129 Omega: -0.4084
 0.934241995059010 0.355449994642387 -0.029106631149766 Phi: 1.8275
 0.028701997869520 0.006412798226266 0.999567442115442 Kappa: -76.8533

IMAGEN DERECHA

236857.675 4010489.514 751.005
 0.373980652841910 -0.927431904627704 -0.002921228948365 Omega: 0.0805
 0.927424724665761 0.373989923111904 -0.003862316583390 Phi: 0.2976
 0.004674545815000 -0.001264788275784 0.999988274397276 Kappa: -75.5982

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32711	236964.90	4011124.92	12.94	-13.895	75.484	-152.684	0.022	0.036	-
0.008									
32712	236662.91	4010924.15	17.58	2.879	1.601	-153.787	-0.093	-0.039	-
0.043									
32713	236294.60	4010790.71	45.89	1.554	-80.432	-150.283	0.037	-0.004	
0.051									
33103	237230.23	4010745.17	0.51	80.006	99.155	-154.203	0.053	-0.008	
0.014									
32703	236552.77	4010388.54	57.74	99.302	-59.970	-146.777	0.020	0.035	-
0.043									
32702	236848.57	4010502.40	23.37	99.063	6.465	-152.041	-0.009	0.003	
0.013									
32701	237159.14	4010594.84	3.74	104.093	74.103	-154.155	-0.032	-0.022	
0.015									

EM.= 0.043

Nombre del modelo: F:\7-2006\3271-3270.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236494.376 4011380.265 755.340
 4.966968169232207
 0.402012301052201 0.915629843399023 -0.002845993639243 Omega: -0.2517
 -0.915632237766763 0.402002925592618 -0.003354545752622 Phi: -0.1227
 -0.001927424432955 0.003954452181567 0.999990323624683 Kappa: 73.6621

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236494.376 4011380.265 755.340
 0.402012301052201 -0.915632237766763 -0.001927424432955 Omega: 0.2136
 0.915629843399023 0.402002925592618 0.003954452181567 Phi: -0.1812
 -0.002845993639243 -0.003354545752622 0.999990323624683 Kappa: -73.6621

IMAGEN DERECHA

236671.253 4010937.830 753.435
 0.355486192844768 -0.934666101603491 -0.005370773693443 Omega: -0.3087
 0.934266679407531 0.355493727165746 -0.027748544009238 Phi: 1.7729
 0.027844899812333 0.004846489362407 0.999600506750222 Kappa: -76.8537

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32721	236845.42	4011554.48	0.39	-3.419	78.207	-152.313	0.038	-0.029	
0.007									
32722	236540.46	4011393.72	1.25	1.538	8.971	-151.861	0.070	0.008	
0.031									
32723	236161.03	4011243.70	10.00	-1.515	-73.079	-149.768	-0.080	-0.029	-
0.029									
33113	237020.55	4011226.06	12.58	71.316	83.933	-149.733	-0.069	0.045	-
0.009									
32711	236964.90	4011124.92	12.94	85.437	65.488	-149.556	-0.024	-0.041	-
0.032									
32712	236662.91	4010924.15	17.58	98.008	-6.456	-148.326	0.099	0.041	
0.028									
32713	236294.60	4010790.71	45.89	92.791	-85.102	-142.321	-0.035	0.005	
0.003									

EM.= 0.053

Nombre del modelo: F:\7-2006\3272-3271.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236308.585 4011823.103 759.703
 4.854888061881495
 0.404983549703337 0.914096783718240 -0.020381228266558 Omega: -1.6612
 -0.914283708479524 0.404655901014220 -0.018409296110915 Phi: -0.5463
 -0.008580494077523 0.026089687049455 0.999622780528259 Kappa: 73.4544

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236308.585 4011823.103 759.703
 0.404983549703337 -0.914283708479524 -0.008580494077523 Omega: 1.1723
 0.914096783718240 0.404655901014220 0.026089687049455 Phi: -1.2976
 -0.020381228266558 -0.018409296110915 0.999622780528259 Kappa: -73.4496

IMAGEN DERECHA

236495.130 4011380.486 755.550
 0.401913043750363 -0.915675632488948 -0.002010305768976 Omega: 0.1963
 0.915675605058745 0.401906244753866 0.003091395825161 Phi: -0.1288
 -0.002022761385061 -0.003083260256888 0.999993200948170 Kappa: -73.6690

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32733	236008.33	4011695.32	14.86	0.335	-71.177	-151.620	-0.045	-0.019	
0.005									
32732	236344.10	4011880.95	7.96	-6.601	7.467	-155.133	0.010	0.018	-
0.094									
32731	236744.48	4012087.16	0.52	-12.024	100.002	-159.164	-0.007	0.003	
0.084									
33123	236876.62	4011608.51	0.47	89.122	84.975	-157.899	0.074	-0.055	
0.007									
32721	236845.42	4011554.48	0.39	96.719	74.612	-157.572	-0.037	0.029	-
0.028									
32723	236161.03	4011243.70	10.00	98.130	-80.120	-151.561	0.073	0.030	
0.070									
32722	236540.46	4011393.72	1.25	101.550	3.808	-155.502	-0.069	-0.006	-
0.043									

EM.= 0.059

Nombre del modelo: F:\7-2006\3273-3272.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236115.829 4012264.709 765.485
4.915294731645689
0.410883283265006 0.911360200320791 -0.0244444075041128 Omega: -2.1902
-0.911532504929445 0.410170431649463 -0.029473877545102 Phi: -1.0718
-0.016835082132843 0.034391892529205 0.999266619945768 Kappa: 73.0400

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236115.829 4012264.709 765.485
0.410883283265006 -0.911532504929445 -0.016835082132843 Omega: 1.8772
0.911360200320791 0.410170431649463 0.034391892529205 Phi: -1.5563
-0.0244444075041128 -0.029473877545102 0.999266619945768 Kappa: -73.0355

IMAGEN DERECHA

236308.860 4011823.049 759.915
0.404988703801317 -0.914279323333584 -0.008801631554029 Omega: 1.1775
0.914102465211916 0.404662052258719 0.025793537083141 Phi: -1.2746
-0.020020811342876 -0.018491684251177 0.999628543373352 Kappa: -73.4494

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32743	235712.03	4012119.66	10.09	-4.268	-92.251	-150.694	-0.036	-0.014	
0.013									
32742	236179.74	4012356.00	4.08	-8.981	14.137	-155.660	0.012	0.005	
0.018									
32741	236431.98	4012426.23	1.23	-0.909	66.742	-157.905	0.039	0.015	-
0.038									
33133	236597.58	4012051.19	0.56	82.492	66.164	-156.624	-0.057	-0.002	
0.006									
32731	236744.48	4012087.16	0.52	88.096	96.391	-157.574	0.007	-0.002	-
0.016									
32733	236008.33	4011695.32	14.86	99.177	-72.708	-148.639	0.046	0.018	-
0.060									
32732	236344.10	4011880.95	7.96	92.841	5.004	-152.852	-0.011	-0.019	
0.077									

EM.= 0.039

Nombre del modelo: F:\7-2006\3274-3273.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235917.633	4012699.837	770.625		
5.213463290409843				
0.408997996446112	0.912022373412848	0.030591327160840	Omega:	2.2253
-0.912529740552715	0.408648812440023	0.017193623764467	Phi:	0.2024
0.003179860037995	-0.034947653508560	0.999384085326750	Kappa:	73.1755

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235917.633	4012699.837	770.625		
0.408997996446112	-0.912529740552715	0.003179860037995	Omega:	-1.0951
0.912022373412848	0.408648812440023	-0.034947653508560	Phi:	1.9478
0.030591327160840	0.017193623764467	0.999384085326750	Kappa:	-73.1623

IMAGEN DERECHA

236116.108	4012264.487	765.591		
0.410866205215523	-0.911532572715740	-0.017243267962316	Omega:	1.8958
0.911377056541158	0.410149191730567	0.034197972646622	Phi:	-1.5344
-0.024100253570701	-0.029765910048028	0.999266315041611	Kappa:	-73.0369

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32753	235591.44	4012516.20	3.66	6.093	-66.306	-149.537	-0.067	0.013	-
0.024									
32752	235823.16	4012713.25	0.39	-10.222	-10.313	-148.156	-0.008	0.035	-
0.016									
32751	236295.00	4012916.20	0.50	-8.736	88.135	-144.707	0.009	0.006	
0.034									
33143	236549.25	4012488.11	0.50	86.136	99.060	-144.603	0.007	-0.026	-
0.084									
742	235795.88	4012202.21	7.40	77.074	-55.200	-148.669	0.075	-0.021	
0.043									
32741	236431.98	4012426.23	1.23	87.772	73.699	-145.386	-0.044	-0.016	
0.073									
32743	235712.03	4012119.66	10.09	84.956	-76.353	-148.906	0.041	0.015	-
0.013									
32742	236179.74	4012356.00	4.08	80.277	24.041	-146.534	-0.013	-0.006	-
0.013									

EM.= 0.045

Nombre del modelo: F:\7-2006\3275-3274.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235720.947	4013143.768	764.684							
5.099314166783035									
0.410180804546717	0.911160745137765	-0.039214845421097	Omega:	-2.3795					
-0.911918199661342	0.410353362395555	-0.003913450789194	Phi:	0.7975					
0.012526160937227	0.037365953629670	0.999223138643977	Kappa:	73.0909					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235720.947	4013143.768	764.684							
0.410180804546717	-0.911918199661342	0.012526160937227	Omega:	0.2493					
0.911160745137765	0.410353362395555	0.037365953629670	Phi:	-2.4971					
-0.039214845421097	-0.003913450789194	0.999223138643977	Kappa:	-73.0711					

IMAGEN DERECHA

235917.835	4012699.681	770.707							
0.408902578416935	-0.912573677755718	0.002822061548771	Omega:	-1.0775					
0.912056274473693	0.408562277322915	-0.035074459965623	Phi:	1.9646					
0.030855041033013	0.016915916059033	0.999380717357872	Kappa:	-73.1687					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32763	235455.33	4012977.20	0.73	6.547	-66.457	-147.526	-0.036	-0.004	-
0.009									
32762	235735.74	4013070.01	0.67	12.507	-8.896	-149.765	0.022	0.026	-
0.011									
32761	236112.08	4013275.55	0.77	6.025	74.878	-152.804	0.074	0.069	
0.021									
33153	236264.08	4012904.53	0.43	84.597	72.221	-153.752	-0.123	-0.039	
0.007									
32751	236295.00	4012916.20	0.50	84.994	78.663	-153.980	-0.008	-0.006	-
0.022									
32752	235823.16	4012713.25	0.39	83.328	-21.980	-150.221	0.007	-0.033	
0.001									
32753	235591.44	4012516.20	3.66	99.935	-79.231	-147.649	0.064	-0.012	
0.013									

EM.= 0.051

Nombre del modelo: F:\7-2006\3276-3275.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235524.262 4013573.187 759.058

5.022897213695999

0.383009176073315	0.923731165333410	-0.004970436139926	Omega:	0.1759
-0.923535757990462	0.383031460584639	0.019199060273397	Phi:	1.2503
0.019638603734070	-0.002763040748666	0.999803326084284	Kappa:	74.9725

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235524.262 4013573.187 759.058

0.383009176073315	-0.923535757990462	0.019638603734070	Omega:	-1.2223
0.923731165333410	0.383031460584639	-0.002763040748666	Phi:	-0.3164
-0.004970436139926	0.019199060273397	0.999803326084284	Kappa:	-74.9772

IMAGEN DERECHA

235721.234 4013143.474 764.979

0.410231273901826	-0.911903250247124	0.011948393265069	Omega:	0.2803
0.911152212656692	0.410381657580648	0.037263125099414	Phi:	-2.4760
-0.038883766326066	-0.004399694317937	0.999234054366748	Kappa:	-73.0679

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32771	235925.95	4013815.84	1.41	-16.944	92.792	-150.287	-0.001	0.017	
0.042									
32772	235513.61	4013603.34	0.83	-9.321	0.760	-150.792	-0.010	-0.000	-
0.036									
32773	235276.69	4013394.10	0.97	11.085	-58.771	-151.337	0.007	-0.001	
0.010									
33163	236012.09	4013379.69	0.73	69.820	75.358	-152.155	0.063	0.072	-
0.062									
32761	236112.08	4013275.55	0.77	96.576	85.841	-152.661	-0.071	-0.067	
0.024									
32762	235735.74	4013070.01	0.67	105.675	0.944	-153.091	-0.021	-0.025	
0.011									
32763	235455.33	4012977.20	0.73	101.358	-57.715	-153.156	0.035	0.004	
0.012									

EM.= 0.046

Nombre del modelo: F:\7-2006\3277-3276.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235327.235 4014021.178 753.865
 4.741614239219911
 0.381070565761585 0.924502546252018 -0.008959122930319 Omega: -0.6524
 -0.924544966808632 0.381038094348821 -0.005155094940476 Phi: -0.0861
 -0.001352131270235 0.010247566957768 0.999946578129289 Kappa: 75.1111

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235327.235 4014021.178 753.865
 0.381070565761585 -0.924544966808632 -0.001352131270235 Omega: 0.3282
 0.924502546252018 0.381038094348821 0.010247566957768 Phi: -0.5704
 -0.008959122930319 -0.005155094940476 0.999946578129289 Kappa: -75.1100

IMAGEN DERECHA

235524.268 4013572.859 759.081
 0.383056869750330 -0.923524524504402 0.019232451117765 Omega: -1.1951
 0.923711542422975 0.383079739633846 -0.002626685484172 Phi: -0.3146
 -0.004941753903923 0.018771407005951 0.999811588924318 Kappa: -74.9739

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32781	235808.49	4014118.07	1.25	19.997	99.991	-159.727	0.014	-0.009	-
0.018									
32782	235421.56	4013999.29	2.35	12.061	15.005	-158.650	0.016	0.001	
0.053									
32783	234988.71	4013859.57	13.14	4.514	-80.587	-155.386	-0.013	-0.013	-
0.033									
33173	235822.55	4013759.93	1.43	90.970	73.956	-159.332	-0.021	0.035	
0.006									
32771	235925.95	4013815.84	1.41	88.368	98.609	-159.586	0.001	-0.015	-
0.025									
32772	235513.61	4013603.34	0.83	96.664	1.132	-158.708	0.009	-0.000	
0.021									
32773	235276.69	4013394.10	0.97	118.424	-61.874	-157.997	-0.006	0.000	-
0.004									

EM.= 0.024

Nombre del modelo: F:\7-2006\3278-3277.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235139.902	4014462.743	754.117							
4.965575716610164									
0.367686540855632	0.929539199940292	-0.027631204244133	Omega:	-1.7992					
-0.929942498680782	0.367638961929832	-0.006967267649413	Phi:	0.2344					
0.003681958848579	0.028257201657576	0.999593904409946	Kappa:	76.0298					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235139.902	4014462.743	754.117							
0.367686540855632	-0.929942498680782	0.003681958848579	Omega:	0.4437					
0.929539199940292	0.367638961929832	0.028257201657576	Phi:	-1.7593					
-0.027631204244133	-0.006967267649413	0.999593904409946	Kappa:	-76.0204					

IMAGEN DERECHA

235327.446	4014021.045	753.888							
0.381042329954757	-0.924556213290447	-0.001597262871091	Omega:	0.3395					
0.924516216892307	0.381008364739615	0.010118829061772	Phi:	-0.5568					
-0.008746855765712	-0.005332397629075	0.999947527648196	Kappa:	-75.1120					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32793	234902.74	4014415.67	13.29	-9.290	-52.093	-147.735	-0.026	0.009	-
0.057									
32792	235243.43	4014507.76	1.53	-1.322	18.425	-152.141	0.024	0.014	
0.015									
32791	235516.40	4014546.33	1.51	11.667	72.383	-153.728	0.005	0.002	
0.055									
33183	235542.72	4014227.94	1.33	73.239	53.740	-153.447	0.002	-0.021	-
0.023									
32781	235808.49	4014118.07	1.25	113.502	95.357	-154.794	-0.016	0.010	
0.008									
32782	235421.56	4013999.29	2.35	107.094	14.138	-152.236	-0.018	-0.001	-
0.074									
32783	234988.71	4013859.57	13.14	101.217	-77.180	-147.487	0.015	0.014	
0.068									
782	235009.45	4013923.49	13.07	90.775	-68.563	-147.694	0.014	-0.028	
0.007									

EM.= 0.035

Nombre del modelo: F:\7-2006\3279-3278.abs
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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

234950.074	4014902.819	753.746		
4.819677699348007				
0.365654747900642	0.930663586531386	-0.012723758967177	Omega:	-0.7858
-0.930744430311455	0.365667785703944	-0.001369650532054	Phi:	0.2150
0.003377984890903	0.012343387011336	0.999918111654732	Kappa:	76.1689

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

234950.074	4014902.819	753.746		
0.365654747900642	-0.930744430311455	0.003377984890903	Omega:	0.0872
0.930663586531386	0.365667785703944	0.012343387011336	Phi:	-0.8100
-0.012723758967177	-0.001369650532054	0.999918111654732	Kappa:	-76.1670

IMAGEN DERECHA

235140.149	4014462.693	754.246		
0.367651309067612	-0.929957185466305	0.003485418261873	Omega:	0.4501
0.929561348783802	0.367599895118512	0.028035976103865	Phi:	-1.7416
-0.027353496816859	-0.007067553214991	0.999600838286685	Kappa:	-76.0230

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32803	234690.57	4014791.87	56.13	1.249	-60.313	-144.008	-0.001	0.001	-
0.030									
32802	234885.65	4014947.62	17.67	-14.055	-10.927	-152.555	-0.001	0.004	
0.012									
32801	235286.36	4015080.71	1.77	-9.366	76.504	-156.947	0.009	0.010	-
0.003									
33193	235357.83	4014637.02	1.77	81.739	56.644	-157.025	-0.003	0.009	
0.069									
32791	235516.40	4014546.33	1.51	111.281	80.383	-157.450	-0.004	-0.003	-
0.041									
32792	235243.43	4014507.76	1.53	98.019	24.753	-156.714	-0.023	-0.012	-
0.032									
32793	234902.74	4014415.67	13.29	89.963	-48.000	-153.362	0.023	-0.008	
0.025									

EM.= 0.028

Nombre del modelo: F:\7-2006\3280-3279.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

234762.588	4015338.163	751.653							
4.770354322328283									
0.369121386856109	0.929333123822732	-0.009452339991044	Omega:	-0.3921					
-0.929326319439660	0.369191021743829	0.007112064431868	Phi:	0.6429					
0.010099196114460	0.006159093247468	0.999930033456447	Kappa:	75.9304					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

234762.588	4015338.163	751.653							
0.369121386856109	-0.929326319439660	0.010099196114460	Omega:	-0.4528					
0.929333123822732	0.369191021743829	0.006159093247468	Phi:	-0.6018					
-0.009452339991044	0.007112064431868	0.999930033456447	Kappa:	-75.9306					

IMAGEN DERECHA

234950.206	4014902.653	753.729							
0.365643416252717	-0.930749880352624	0.003090691608211	Omega:	0.1022					
0.930670580305157	0.365652957936386	0.012255011498739	Phi:	-0.7981					
-0.012536471014783	-0.001604548518058	0.999920127969503	Kappa:	-76.1678					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
32811	235034.23	4015412.45	10.92	4.990	57.711	-155.692	-0.018	0.057	-
0.014									
32812	234861.19	4015356.61	28.52	2.512	19.709	-151.733	-0.038	0.020	-
0.069									
32813	234461.18	4015201.16	70.48	1.920	-70.211	-142.407	0.049	-0.011	
0.081									
33203	235209.44	4015165.41	2.99	66.635	72.719	-158.071	0.015	-0.057	-
0.009									
32801	235286.36	4015080.71	1.77	89.095	81.146	-158.625	-0.007	-0.008	
0.082									
32802	234885.65	4014947.62	17.67	84.050	-7.199	-154.670	0.001	-0.001	-
0.035									
32803	234690.57	4014791.87	56.13	99.380	-57.207	-146.455	-0.002	-0.000	-
0.036									

EM.= 0.048

Nombre del modelo: F:\7-2006\3281-3280.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

234573.178	4015776.977	747.282							
4.526030817834705									
0.374641144627320	0.926795551659662	-0.026344224721834	Omega:	-1.4580					
-0.927069430865332	0.374867573309344	0.004070974845473	Phi:	0.8689					
0.013648556969892	0.022897770743602	0.999644641353923	Kappa:	75.5508					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

234573.178	4015776.977	747.282							
0.374641144627320	-0.927069430865332	0.013648556969892	Omega:	-0.2593					
0.926795551659662	0.374867573309344	0.022897770743602	Phi:	-1.6773					
-0.026344224721834	0.004070974845473	0.999644641353923	Kappa:	-75.5443					

IMAGEN DERECHA

234762.213	4015337.801	751.639							
0.369369225900057	-0.929231412733812	0.009765067676032	Omega:	-0.4197					
0.929230505955770	0.369439472331184	0.006718860382396	Phi:	-0.6271					
-0.009850977574606	0.006592258518915	0.999929747716530	Kappa:	-75.9135					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
821	234929.70	4015935.46	2.66	-5.194	82.392	-166.397	-0.117	-0.034	
0.007									
822	234234.89	4015446.26	107.60	37.821	-99.911	-139.622	0.030	0.063	
0.043									
1212	235079.50	4015502.58	8.83	95.890	77.196	-166.280	0.081	0.039	-
0.051									
32822	234662.70	4015727.74	59.51	15.422	10.774	-152.467	-0.002	0.002	-
0.019									
32811	235034.23	4015412.45	10.92	110.595	60.493	-165.655	0.018	-0.055	
0.032									
32813	234461.18	4015201.16	70.48	106.639	-74.043	-149.332	-0.043	0.007	-
0.075									
32812	234861.19	4015356.61	28.52	107.769	20.518	-160.819	0.033	-0.023	
0.064									

EM.= 0.060

Nombre del modelo: F:\7-2006\3282-3281.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238633.046	4008244.159	760.370							
5.112976005365325									
0.362648922925736	0.931906781489018	-0.005958969339076	Omega:	-0.3662					
-0.931924370941401	0.362652267628650	-0.000547384027126	Phi:	0.1051					
0.001650922856588	0.005751816980641	0.999982095367283	Kappa:	76.3744					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238633.046	4008244.159	760.370							
0.362648922925736	-0.931924370941401	0.001650922856588	Omega:	0.0348					
0.931906781489018	0.362652267628650	0.005751816980641	Phi:	-0.3794					
-0.005958969339076	-0.000547384027126	0.999982095367283	Kappa:	-76.3740					

IMAGEN DERECHA

238824.658	4007800.861	760.548							
0.398687520343057	-0.917050476059068	-0.008166117960268	Omega:	0.7393					
0.917065667438975	0.398602015375188	0.010343836016879	Phi:	-0.3967					
-0.006230788666802	-0.011612824750023	0.999913156016019	Kappa:	-73.8926					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33043	238675.81	4008336.93	1.39	-14.125	13.529	-148.488	-0.028	-0.035	-
0.054									
33042	238850.39	4008367.19	0.75	-7.256	47.481	-148.830	0.022	-0.000	-
0.009									
33041	239023.29	4008417.21	0.52	-4.104	82.539	-149.091	0.032	0.033	
0.045									
34973	239302.10	4007964.02	0.24	98.272	101.223	-149.415	-0.027	0.003	
0.002									
33033	239083.12	4007926.17	1.95	89.636	58.625	-148.819	-0.000	-0.000	-
0.010									
33032	239216.67	4007948.28	5.53	95.080	84.537	-148.274	0.000	-0.000	-
0.017									
33034	238617.88	4008026.42	2.75	38.367	-19.061	-148.141	0.000	0.000	
0.042									

EM.= 0.030

Nombre del modelo: F:\7-2006\3304-3303.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238448.082 4008680.613 759.005
5.016932921219423
0.373571389026947 0.927553156821683 -0.009463539010698 Omega: -0.4096
-0.927554257065552 0.373635840460814 0.006273668999322 Phi: 0.5956
0.009355078837171 0.006434282653906 0.999935539175741 Kappa: 75.6255

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238448.082 4008680.613 759.005
0.373571389026947 -0.927554257065552 0.009355078837171 Omega: -0.3994
0.927553156821683 0.373635840460814 0.006434282653906 Phi: -0.6025
-0.009463539010698 0.006273668999322 0.999935539175741 Kappa: -75.6255

IMAGEN DERECHA

238633.095 4008244.016 760.902
0.362999659078299 -0.931787850528912 0.001627610441360 Omega: 0.0331
0.931771110877440 0.363002936036145 0.005609399554288 Phi: -0.3704
-0.005817597722384 -0.000519649736819 0.999982942614969 Kappa: -76.3501

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33053	238130.21	4008544.84	2.97	0.013	-69.844	-150.249	-0.008	-0.055	-
0.046									
33052	238467.02	4008678.70	2.59	0.355	2.377	-150.802	0.049	0.029	
0.009									
33051	238828.09	4008775.82	0.41	9.293	76.372	-151.801	-0.015	0.073	
0.030									
34963	239055.36	4008442.17	0.14	87.879	93.549	-152.691	-0.000	-0.050	-
0.018									
33043	238675.81	4008336.93	1.39	79.091	15.529	-151.877	0.027	0.034	
0.081									
33042	238850.39	4008367.19	0.75	86.492	50.069	-152.283	-0.021	0.000	
0.008									
33041	239023.29	4008417.21	0.52	90.112	85.767	-152.576	-0.031	-0.031	-
0.063									

EM.= 0.048

Nombre del modelo: F:\7-2006\3305-3304.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238263.712	4009122.226	754.625		
4.965575614932983				
0.387029096106911	0.921693770757801	-0.026250175483860	Omega:	-1.4616
-0.921973927142337	0.387238540587869	0.003223407066194	Phi:	0.8363
0.013136073858073	0.022954425055816	0.999650207789681	Kappa:	74.6980

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238263.712	4009122.226	754.625		
0.387029096106911	-0.921973927142337	0.013136073858073	Omega:	-0.2053
0.921693770757801	0.387238540587869	0.022954425055816	Phi:	-1.6713
-0.026250175483860	0.003223407066194	0.999650207789681	Kappa:	-74.6910

IMAGEN DERECHA

238448.631	4008680.552	759.087		
0.373858948007426	-0.927441985791704	0.008991661999981	Omega:	-0.3897
0.927443198948966	0.373916968644153	0.005934078132034	Phi:	-0.5644
-0.008865648204722	0.006120747561295	0.999941966681668	Kappa:	-75.6059

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33063	237943.51	4009025.77	0.38	-9.052	-70.444	-150.201	0.024	-0.045	-
0.054									
33062	238285.63	4009122.29	0.51	-0.299	0.585	-151.939	0.013	0.007	
0.038									
33061	238624.37	4009333.43	0.34	-13.088	79.929	-153.622	-0.031	0.054	
0.018									
34953	238757.28	4008774.73	0.38	101.000	61.023	-154.677	0.020	0.031	
0.002									
33051	238828.09	4008775.82	0.41	106.297	74.260	-155.038	0.015	-0.071	-
0.028									
33053	238130.21	4008544.84	2.97	94.820	-73.287	-151.003	0.008	0.054	
0.066									
33052	238467.02	4008678.70	2.59	96.206	-0.317	-152.757	-0.048	-0.029	-
0.012									
1052	238205.60	4008638.28	2.40	83.337	-52.003	-151.435	-0.000	-0.000	-
0.030									

EM.= 0.042

Nombre del modelo: F:\7-2006\3306-3305.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238067.296	4009574.236	753.033							
4.817415247254170									
0.382181712740211	0.924087172886996	0.000188023076789	Omega:	0.1272					
-0.924077002375768	0.382176535113695	0.004773854700933	Phi:	0.2763					
0.004339599886350	-0.001998227767152	0.999988587414185	Kappa:	75.0343					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238067.296	4009574.236	753.033							
0.382181712740211	-0.924077002375768	0.004339599886350	Omega:	-0.3039					
0.924087172886996	0.382176535113695	-0.001998227767152	Phi:	0.0120					
0.000188023076789	0.004773854700933	0.999988587414185	Kappa:	-75.0346					

IMAGEN DERECHA

238264.036	4009121.704	754.449							
0.387387314813252	-0.921834170667646	0.012362447624673	Omega:	-0.1620					
0.921554578718462	0.387576179117964	0.022844338978342	Phi:	-1.6459					
-0.025850082491467	0.002543063077181	0.999662596111993	Kappa:	-74.6666					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33073	237821.58	4009447.15	25.68	4.244	-56.898	-151.096	-0.094	0.040	-
0.104									
33072	238182.09	4009565.87	2.05	10.050	21.663	-155.877	-0.007	0.076	-
0.069									
33071	238444.43	4009730.37	-0.52	-0.690	85.004	-156.211	0.134	0.154	-
0.199									
34943	238563.29	4009175.25	0.70	115.199	63.797	-156.546	0.037	-0.019	
0.008									
1071	238148.51	4009645.54	5.49	-8.001	21.619	-155.196	-0.159	-0.546	
0.465									
1072	238010.73	4009389.70	0.61	30.254	-25.169	-156.321	-0.078	0.078	-
0.248									
1061	238401.80	4009315.19	0.67	75.556	43.920	-156.418	0.019	0.041	
0.004									
1062	237883.56	4009096.27	3.57	76.443	-72.879	-156.077	0.106	0.097	
0.119									
33061	238624.37	4009333.43	0.34	89.694	88.049	-156.467	0.103	-0.024	
0.041									
33062	238285.63	4009122.29	0.51	103.338	6.340	-156.643	-0.001	0.015	-
0.017									
33063	237943.51	4009025.77	0.38	94.731	-66.939	-156.783	-0.059	0.087	
0.000									

EM.= 0.174

Nombre del modelo: F:\7-2006\3307-3306.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237880.943	4010008.213	752.330		
4.891759507381143				
0.391489426261552	0.920100678014318	0.012278902352919	Omega:	0.9041
-0.920180396636884	0.391424386003946	0.007415368272794	Phi:	0.1284
0.002016623561230	-0.014201843508008	0.999897115142546	Kappa:	74.3919

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237880.943	4010008.213	752.330		
0.391489426261552	-0.920180396636884	0.002016623561230	Omega:	-0.4721
0.920100678014318	0.391424386003946	-0.014201843508008	Phi:	0.7817
0.012278902352919	0.007415368272794	0.999897115142546	Kappa:	-74.3899

IMAGEN DERECHA

238067.089	4009574.031	753.249		
0.382285955085062	-0.924035040046996	0.004085744735906	Omega:	-0.2821
0.924044072545609	0.382282107021301	-0.001715413850975	Phi:	0.0015
0.000023195400089	0.004431186827534	0.999990181974439	Kappa:	-75.0274

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33083	237522.19	4009855.21	10.36	-0.235	-77.545	-152.793	-0.100	-0.038	-
0.007									
33082	237917.15	4010073.25	1.24	-9.644	14.192	-153.343	0.013	0.011	
0.033									
33081	238093.85	4010070.73	0.87	4.967	47.222	-152.965	0.039	0.008	-
0.035									
34933	238393.64	4009654.69	-0.74	107.221	70.332	-153.174	0.002	-0.000	-
0.021									
33071	238444.43	4009730.37	-0.52	97.043	85.957	-152.905	-0.059	-0.063	
0.058									
33072	238182.09	4009565.87	2.05	106.999	23.419	-153.264	0.037	0.014	-
0.051									
33073	237821.58	4009447.15	25.68	100.497	-53.968	-149.535	0.067	0.069	
0.024									

EM.= 0.054

Nombre del modelo: F:\7-2006\3308-3307.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237696.644	4010455.270	752.804		
4.858715394106855				
0.407713437057765	0.912928627521953	-0.018195447052151	Omega:	-1.4158
-0.913095271436562	0.407513005099277	-0.013790429839107	Phi:	-0.3294
-0.005174796878607	0.022236720213200	0.999739340904130	Kappa:	73.2649

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237696.644	4010455.270	752.804		
0.407713437057765	-0.913095271436562	-0.005174796878607	Omega:	0.8781
0.912928627521953	0.407513005099277	0.022236720213200	Phi:	-1.1584
-0.018195447052151	-0.013790429839107	0.999739340904130	Kappa:	-73.2605

IMAGEN DERECHA

237881.297	4010008.029	752.567		
0.391442056027065	-0.920201360179470	0.001604212316466	Omega:	-0.4557
0.920114737265625	0.391379906086753	-0.014513420621377	Phi:	0.8103
0.012727412930887	0.007157222602100	0.999893387879284	Kappa:	-74.3931

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34093	237403.79	4010367.17	2.25	-7.222	-65.835	-153.076	-0.061	-0.039	-
0.060									
34092	237699.63	4010457.31	0.15	0.671	-2.713	-154.888	-0.002	0.011	
0.018									
34091	238097.27	4010662.77	-0.31	-4.571	89.213	-157.060	0.081	0.063	
0.048									
34923	238324.63	4010190.23	-0.64	103.305	92.331	-156.623	-0.057	-0.040	-
0.033									
33083	237522.19	4009855.21	10.36	98.918	-86.525	-150.423	0.093	0.024	
0.061									
33081	238093.85	4010070.73	0.87	106.400	38.948	-155.119	-0.039	-0.008	
0.015									
33082	237917.15	4010073.25	1.24	91.097	5.955	-154.375	-0.014	-0.010	-
0.048									

EM.= 0.057

Nombre del modelo: F:\7-2006\3309-3308.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237503.129 4010896.162 757.084
 4.891957493536315
 0.424484289659017 0.905375387534005 -0.010416116374673 Omega: -1.0790
 -0.905360847963274 0.424273769324329 -0.017706033958746 Phi: -0.7392
 -0.011611322401086 0.016946277201114 0.999788978175455 Kappa: 72.0891

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237503.129 4010896.162 757.084
 0.424484289659017 -0.905360847963274 -0.011611322401086 Omega: 1.1273
 0.905375387534005 0.424273769324329 0.016946277201114 Phi: -0.6631
 -0.010416116374673 -0.017706033958746 0.999788978175455 Kappa: -72.0895

IMAGEN DERECHA

237696.435 4010455.062 753.091
 0.407748778933756 -0.913078518420391 -0.005343451810932 Omega: 0.8976
 0.912907454067605 0.407540091444569 0.022606507318791 Phi: -1.1755
 -0.018463845369644 -0.014095852743844 0.999730160268054 Kappa: -73.2579

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33103	237230.23	4010745.17	0.51	6.063	-66.204	-153.477	-0.091	-0.025	-
0.098									
33102	237438.39	4010823.04	0.38	9.713	-20.954	-154.243	0.041	0.025	-
0.020									
33101	237719.82	4010978.06	0.05	5.447	44.571	-155.498	0.052	0.052	
0.109									
34913	238000.45	4010588.01	-0.36	101.988	62.689	-154.750	0.004	0.031	
0.025									
34093	237403.79	4010367.17	2.25	91.064	-66.893	-152.162	0.075	-0.008	
0.100									
34092	237699.63	4010457.31	0.15	100.063	-4.316	-153.519	0.002	-0.011	-
0.040									
34091	238097.27	4010662.77	-0.31	96.541	87.117	-155.196	-0.082	-0.064	-
0.077									

EM.= 0.073

Nombre del modelo: F:\7-2006\3310-3309.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237315.815 4011336.725 759.473

5.020508709211080

0.430466451304065	0.902504011503554	0.013606745447691	Omega:	0.7143
-0.902570390191014	0.430535268083401	-0.002464485097112	Phi:	-0.5145
-0.008082391485499	-0.011220167393907	0.999904386824824	Kappa:	71.6688

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237315.815 4011336.725 759.473

0.430466451304065	-0.902570390191014	-0.008082391485499	Omega:	0.1569
0.902504011503554	0.430535268083401	-0.011220167393907	Phi:	0.8663
0.013606745447691	-0.002464485097112	0.999904386824824	Kappa:	-71.6670

IMAGEN DERECHA

237503.758 4010896.273 757.326

0.424497626731001	-0.905351037722600	-0.011885427815578	Omega:	1.1284
0.905375954539296	0.424294002727120	0.016400615593843	Phi:	-0.6242
-0.009805398605179	-0.017722802950151	0.999794857165101	Kappa:	-72.0887

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33113	237020.55	4011226.06	12.58	-4.217	-60.873	-149.491	-0.125	-0.045	-
0.043									
33112	237365.25	4011341.40	0.29	4.635	11.000	-151.071	-0.099	0.029	
0.005									
33111	237631.48	4011513.56	0.22	-3.483	73.600	-150.459	-0.013	0.108	
0.054									
1112	237172.43	4011166.12	0.53	19.561	-38.794	-151.456	0.465	0.013	-
0.024									
34903	237814.32	4011056.95	0.16	94.272	67.314	-149.748	0.001	0.051	
0.041									
33103	237230.23	4010745.17	0.51	100.231	-64.407	-151.117	-0.047	-0.024	
0.087									
33102	237438.39	4010823.04	0.38	104.077	-20.296	-150.598	-0.102	-0.068	-
0.003									
33101	237719.82	4010978.06	0.05	100.337	43.586	-149.955	-0.080	-0.064	-
0.118									

EM.= 0.136

Nombre del modelo: F:\7-2006\3311-3310.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237132.205 4011777.553 762.583
5.028049104986906
0.427472981919993 0.903854097104921 -0.017737555498905 Omega: -1.3654
-0.904019875082662 0.427302973169898 -0.012658379663005 Phi: -0.2459
-0.003862018119669 0.021446218007212 0.999762544081959 Kappa: 71.8806

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237132.205 4011777.553 762.583
0.427472981919993 -0.904019875082662 -0.003862018119669 Omega: 0.8060
0.903854097104921 0.427302973169898 0.021446218007212 Phi: -1.1293
-0.017737555498905 -0.012658379663005 0.999762544081959 Kappa: -71.8760

IMAGEN DERECHA

237315.484 4011336.263 759.760
0.430558325832269 -0.902522337016206 -0.008541618307971 Omega: 0.1973
0.902464174471838 0.430631889353084 -0.010704656325965 Phi: 0.8492
0.013339484674360 -0.003099525608639 0.999906221147576 Kappa: -71.6606

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33123	236876.62	4011608.51	0.47	9.252	-63.558	-150.215	-0.023	0.004	
0.024									
33122	237113.38	4011728.34	0.50	7.833	-10.823	-151.334	0.025	0.015	-
0.030									
33121	237456.84	4011978.79	0.88	-7.986	72.207	-153.109	-0.007	0.058	
0.006									
34893	237606.86	4011413.59	0.28	106.375	51.150	-152.335	-0.023	-0.029	
0.010									
33113	237020.55	4011226.06	12.58	90.233	-70.150	-147.344	0.063	-0.004	-
0.009									
33112	237365.25	4011341.40	0.29	98.817	1.574	-151.297	0.010	0.000	
0.002									
33111	237631.48	4011513.56	0.22	90.492	64.076	-152.683	-0.044	-0.045	-
0.004									

EM.= 0.034

Nombre del modelo: F:\7-2006\3312-3311.abs
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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236941.041	4012226.670	764.120							
4.979942368098014									
0.420064654441058	0.907488215072873	-0.003290226916888	Omega:	-0.4256					
-0.907470103333847	0.420024339141262	-0.008807160961552	Phi:	-0.4208					
-0.006610419394467	0.006685359586181	0.999955803184637	Kappa:	72.4008					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236941.041	4012226.670	764.120							
0.420064654441058	-0.907470103333847	-0.006610419394467	Omega:	0.5607					
0.907488215072873	0.420024339141262	0.006685359586181	Phi:	-0.2095					
-0.003290226916888	-0.008807160961552	0.999955803184637	Kappa:	-72.4013					

IMAGEN DERECHA

237132.622	4011777.308	762.675							
0.427685804065249	-0.903916683211890	-0.004413933877719	Omega:	0.8303					
0.903762997563137	0.427509748139978	0.021162690778440	Phi:	-1.0977					
-0.017242309495916	-0.013040132534135	0.999766301545886	Kappa:	-71.8613					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33133	236597.58	4012051.19	0.56	4.006	-78.421	-152.778	0.058	-0.042	-
0.029									
33132	237014.19	4012216.77	0.72	8.989	11.471	-153.325	-0.010	0.005	
0.032									
33131	237334.75	4012348.22	0.68	12.084	80.980	-153.780	-0.062	0.031	
0.043									
34873	237188.00	4012274.47	0.70	13.138	48.006	-153.531	0.008	0.019	-
0.043									
34883	237463.44	4011868.83	0.67	110.281	63.975	-153.006	0.080	0.005	-
0.022									
33121	237456.84	4011978.79	0.88	89.680	72.066	-153.155	0.007	-0.057	-
0.021									
33122	237113.38	4011728.34	0.50	106.358	-11.645	-152.570	-0.025	-0.015	
0.024									
33123	236876.62	4011608.51	0.47	108.239	-64.897	-152.206	-0.056	0.054	
0.014									

EM.= 0.045

Nombre del modelo: F:\7-2006\3313-3312.abs
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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236754.524 4012664.400 763.442

4.976275440622686

0.409955831158084	0.911783615373745	0.024225095159099	Omega:	1.3307
-0.912018470545734	0.410138793600591	-0.002911935313726	Phi:	-0.8016
-0.012590706211496	-0.020899969374010	0.999702288382527	Kappa:	73.1066

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236754.524 4012664.400 763.442

0.409955831158084	-0.912018470545734	-0.012590706211496	Omega:	0.1854
0.911783615373745	0.410138793600591	-0.020899969374010	Phi:	1.5424
0.024225095159099	-0.002911935313726	0.999702288382527	Kappa:	-73.1004

IMAGEN DERECHA

236941.297 4012226.219 764.036

0.420289999522391	-0.907360646547783	-0.007278282617343	Omega:	0.5974
0.907385065431249	0.420248256291196	0.006614084708912	Phi:	-0.1873
-0.002942674599068	-0.009384038608114	0.999951639073413	Kappa:	-72.3855

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33143	236549.25	4012488.11	0.50	17.330	-48.939	-154.167	0.011	0.007	
0.007									
33142	236847.49	4012632.02	0.60	15.526	17.577	-152.785	-0.040	-0.009	
0.033									
33141	237088.30	4012781.23	0.44	8.018	73.998	-151.719	-0.045	-0.007	-
0.036									
33133	236597.58	4012051.19	0.56	101.394	-76.096	-153.662	0.001	0.045	-
0.008									
33131	237334.75	4012348.22	0.68	107.666	83.448	-150.230	0.062	-0.031	
0.026									
33132	237014.19	4012216.77	0.72	105.358	13.886	-151.695	0.010	-0.005	-
0.022									

EM.= 0.036

Nombre del modelo: F:\7-2006\3314-3313.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236566.189 4013094.211 769.401
5.111879242418250
0.439160008220408 0.897991366584132 -0.027385994964847 Omega: -2.0022
-0.898406705621803 0.438888051840379 -0.015577844701236 Phi: -0.1254
-0.001969384073866 0.031444927923594 0.999503545783730 Kappa: 71.0552

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236566.189 4013094.211 769.401
0.439160008220408 -0.898406705621803 -0.001969384073866 Omega: 0.9921
0.897991366584132 0.438888051840379 0.031444927923594 Phi: -1.7437
-0.027385994964847 -0.015577844701236 0.999503545783730 Kappa: -71.0435

IMAGEN DERECHA

236754.372 4012664.041 763.255
0.410057307137025 -0.911968298407078 -0.012916174512253 Omega: 0.2118
0.911741507384394 0.410247194186710 -0.020607362139887 Phi: 1.5339
0.024092085338648 -0.003326012993162 0.999704210785173 Kappa: -73.0934

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33153	236264.08	4012904.53	0.43	7.659	-74.101	-148.164	0.107	-0.051	
0.040									
33152	236616.89	4013087.90	0.43	5.757	3.629	-150.598	0.037	-0.004	-
0.039									
33151	236902.09	4013334.94	0.49	-13.150	74.955	-152.874	-0.056	0.000	-
0.001									
34863	236995.86	4012752.00	0.45	97.360	41.367	-151.623	-0.014	0.038	
0.072									
33141	237088.30	4012781.23	0.44	100.154	60.107	-152.193	0.047	0.008	-
0.010									
33142	236847.49	4012632.02	0.60	105.691	4.996	-150.404	0.042	0.009	-
0.076									
33143	236549.25	4012488.11	0.50	105.368	-59.741	-148.415	-0.019	0.017	
0.069									
1142	236375.05	4012449.83	4.85	97.133	-93.576	-146.491	-0.144	-0.018	-
0.055									

EM.= 0.063

Nombre del modelo: F:\7-2006\3315-3314.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236367.162	4013533.104	767.410							
5.152628083183910									
0.413994817341075	0.910109430682606	-0.017581677886708	Omega:	-0.9104					
-0.910212453232776	0.414121182353006	0.004115374408142	Phi:	0.7020					
0.011026386293833	0.014299318484820	0.999836960857203	Kappa:	72.8249					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236367.162	4013533.104	767.410							
0.413994817341075	-0.910212453232776	0.011026386293833	Omega:	-0.2620					
0.910109430682606	0.414121182353006	0.014299318484820	Phi:	-1.1193					
-0.017581677886708	0.004115374408142	0.999836960857203	Kappa:	-72.8222					

IMAGEN DERECHA

236566.813	4013094.081	769.368							
0.439435773512604	-0.898270781799520	-0.002409050156774	Omega:	1.0014					
0.897878193969607	0.439160953248241	0.030861074770202	Phi:	-1.6977					
-0.026663640997731	-0.015724493867020	0.999520780444995	Kappa:	-71.0246					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33161	236725.13	4013706.67	0.86	-3.538	75.042	-149.819	0.033	0.024	-
0.038									
33162	236303.06	4013413.31	0.77	14.370	-23.078	-148.645	0.008	0.000	
0.030									
33163	236012.09	4013379.69	0.73	-3.074	-77.159	-147.677	-0.060	-0.063	-
0.018									
34843	236758.36	4013622.00	0.96	14.082	74.125	-149.996	-0.036	-0.049	
0.039									
34853	236876.91	4013191.64	0.40	99.631	60.462	-150.843	0.020	-0.008	-
0.019									
33151	236902.09	4013334.94	0.49	76.339	76.419	-150.797	0.057	-0.000	-
0.012									
33152	236616.89	4013087.90	0.43	97.072	6.206	-150.042	-0.037	0.004	
0.033									
33153	236264.08	4012904.53	0.43	101.128	-70.866	-148.975	0.017	0.092	-
0.016									

EM.= 0.044

Nombre del modelo: F:\7-2006\3316-3315.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236165.950 4013981.468 762.374

4.948534133726014

0.395386284169409	0.918423385616827	-0.012968077838798	Omega:	-0.6965
-0.918485253421007	0.395447601735895	0.002456324383721	Phi:	0.4701
0.007384141037147	0.010939791289358	0.999912893920110	Kappa:	74.1214

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236165.950 4013981.468 762.374

0.395386284169409	-0.918485253421007	0.007384141037147	Omega:	-0.1564
0.918423385616827	0.395447601735895	0.010939791289358	Phi:	-0.8256
-0.012968077838798	0.002456324383721	0.999912893920110	Kappa:	-74.1198

IMAGEN DERECHA

236367.337 4013532.917 767.479

0.414042115117302	-0.910194641620155	0.010716402154988	Omega:	-0.2467
0.910092170450930	0.414162648221724	0.014196552464803	Phi:	-1.1052
-0.017359959478862	0.003874943086757	0.999841795797198	Kappa:	-72.8190

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33171	236504.15	4014124.60	1.06	-0.680	72.521	-154.645	0.008	0.009	-
0.013									
33172	236161.67	4013928.10	1.72	8.428	-6.734	-153.709	-0.026	-0.017	-
0.030									
33173	235822.55	4013759.93	1.43	12.542	-83.126	-152.979	0.037	-0.011	
0.051									
34833	236449.54	4014025.36	1.16	13.384	54.450	-154.530	0.024	0.052	-
0.023									
33161	236725.13	4013706.67	0.86	94.545	80.144	-155.489	-0.030	-0.022	
0.074									
33162	236303.06	4013413.31	0.77	115.273	-21.637	-154.518	-0.007	-0.000	-
0.074									
33163	236012.09	4013379.69	0.73	98.264	-78.327	-153.798	-0.006	-0.012	
0.015									

EM.= 0.041

Nombre del modelo: F:\7-2006\3317-3316.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235972.189 4014411.729 759.098
 4.946272991733399
 0.366026929499645 0.930589072703975 0.005316450415330 Omega: 0.5349
 -0.930579144131474 0.365969107090435 0.009437646049857 Phi: 0.4353
 0.006836913674656 -0.008401810482649 0.999941331375006 Kappa: 76.1430

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235972.189 4014411.729 759.098
 0.366026929499645 -0.930579144131474 0.006836913674656 Omega: -0.6008
 0.930589072703975 0.365969107090435 -0.008401810482649 Phi: 0.3385
 0.005316450415330 0.009437646049857 0.999941331375006 Kappa: -76.1432

IMAGEN DERECHA

236165.874 4013980.972 762.406
 0.395426570136044 -0.918472186258551 0.006831595705441 Omega: -0.1173
 0.918405632051746 0.395481290148438 0.011209110498153 Phi: -0.8274
 -0.012997024508613 0.001841795853216 0.999913838859108 Kappa: -74.1170

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33183	235542.72	4014227.94	1.33	1.752	-93.113	-154.011	0.010	0.016	
0.041									
33182	235954.21	4014364.21	1.21	6.564	-5.614	-153.321	0.008	0.006	-
0.024									
33181	236351.78	4014502.67	0.97	9.935	79.435	-152.677	-0.021	-0.002	-
0.027									
33171	236504.15	4014124.60	1.06	92.336	80.129	-153.227	-0.008	-0.009	
0.028									
33172	236161.67	4013928.10	1.72	103.966	1.146	-153.837	0.026	0.017	
0.028									
33173	235822.55	4013759.93	1.43	110.504	-75.087	-154.566	-0.014	-0.028	-
0.047									

EM.= 0.030

Nombre del modelo: F:\7-2006\3318-3317.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235780.676 4014850.211 758.265
4.915733137347378
0.378447008306371 0.925360131509333 -0.022056493760073 Omega: -1.4009
-0.925612179444378 0.378450143163789 -0.004193137671884 Phi: 0.2844
0.004467120793700 0.022002639667504 0.999747932570744 Kappa: 75.2914

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235780.676 4014850.211 758.265
0.378447008306371 -0.925612179444378 0.004467120793700 Omega: 0.2670
0.925360131509333 0.378450143163789 0.022002639667504 Phi: -1.4043
-0.022056493760073 -0.004193137671884 0.999747932570744 Kappa: -75.2853

IMAGEN DERECHA

235972.435 4014411.554 759.048
0.366030914824760 -0.930580005546452 0.006497897330310 Omega: -0.5853
0.930585703804854 0.365973120599575 -0.008597841161245 Phi: 0.3580
0.005622923312210 0.009193926026147 0.999941925542504 Kappa: -76.1429

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
33191	236110.29	4014985.67	44.97	-0.779	69.287	-146.664	-0.011	-0.004	
0.011									
33192	235806.53	4014870.90	1.42	-2.592	3.075	-154.052	-0.013	0.000	-
0.026									
33193	235357.83	4014637.02	1.77	6.900	-99.402	-151.779	0.020	0.002	
0.018									
33183	235542.72	4014227.94	1.33	98.166	-96.086	-152.344	-0.011	0.005	-
0.006									
33182	235954.21	4014364.21	1.21	104.184	-8.137	-154.332	-0.007	-0.006	-
0.002									
33181	236351.78	4014502.67	0.97	108.719	77.356	-156.284	0.022	0.002	
0.006									

EM.= 0.015

Nombre del modelo: F:\7-2006\3319-3318.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235581.859 4015298.441 756.529
 4.881759256051454
 0.351479550188283 0.936157667417994 0.008423035910081 Omega: 0.4734
 -0.936186320072229 0.351501827634002 -0.001280343538014 Phi: -0.2648
 -0.004159315936661 -0.007435516421667 0.999963705934611 Kappa: 77.1355

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235581.859 4015298.441 756.529
 0.351479550188283 -0.936186320072229 -0.004159315936661 Omega: 0.0815
 0.936157667417994 0.351501827634002 -0.007435516421667 Phi: 0.5362
 0.008423035910081 -0.001280343538014 0.999963705934611 Kappa: -77.1349

IMAGEN DERECHA

235780.798 4014849.862 758.258
 0.378478462132724 -0.925601600844427 0.003966133618981 Omega: 0.2964
 0.925351963111525 0.378470627203550 0.021993833449398 Phi: -1.3917
 -0.021858592527818 -0.004654122730045 0.999750239346966 Kappa: -75.2833

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
33203	235209.44	4015165.41	2.99	-0.658	-79.854	-154.976	0.026	0.014	0.075
33202	235694.80	4015328.26	2.11	3.055	24.958	-154.334	-0.012	-0.007	0.055
33201	235851.94	4015358.71	13.73	8.522	57.267	-151.697	-0.017	0.001	0.032
33193	235357.83	4014637.02	1.77	111.354	-89.432	-154.803	-0.017	-0.012	0.064
33192	235806.53	4014870.90	1.42	98.808	13.448	-154.182	0.014	-0.001	0.040
33191	236110.29	4014985.67	44.97	98.633	79.898	-144.766	0.005	0.004	0.037

EM.= 0.041

Nombre del modelo: F:\7-2006\3320-3319.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

235397.022 4015732.765 757.388
5.006202094163622
0.366494467298026 0.930260196412363 -0.017256083297462 Omega: -1.1078
-0.930415675110717 0.366487672252308 -0.003668459534074 Phi: 0.1854
0.002911519913180 0.017399800513720 0.999844372887040 Kappa: 76.1115

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

235397.022 4015732.765 757.388
0.366494467298026 -0.930415675110717 0.002911519913180 Omega: 0.2336
0.930260196412363 0.366487672252308 0.017399800513720 Phi: -1.0986
-0.017256083297462 -0.003668459534074 0.999844372887040 Kappa: -76.1078

IMAGEN DERECHA

235581.712 4015298.244 756.092
0.351061557145532 -0.936343046333528 -0.004181229173635 Omega: 0.0832
0.936314476438147 0.351084025143908 -0.007430242331898 Phi: 0.5364
0.008425218508375 -0.001306472961576 0.999963653750218 Kappa: -77.1633

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
1212	235079.50	4015502.58	8.83	19.104	-78.407	-148.248	-0.237	-0.072	
0.039									
1211	235875.85	4015883.13	17.20	6.546	97.452	-149.587	0.057	-0.687	-
0.023									
33212	235385.11	4015707.58	2.09	3.432	-6.664	-150.786	-0.204	0.256	-
0.022									
33201	235851.94	4015358.71	13.73	102.435	54.496	-149.822	0.245	0.334	
0.022									
33203	235209.44	4015165.41	2.99	91.264	-79.000	-149.599	-0.038	-0.069	-
0.041									
33202	235694.80	4015328.26	2.11	96.570	23.047	-151.579	0.178	0.238	
0.026									

EM.= 0.288

Nombre del modelo: F:\7-2006\3321-3320.abs
Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

236883.580	4014244.841	756.166							
5.113438861576569									
0.366169382509650	0.930440357199001	0.014167745335662	Omega:	1.0911					
-0.930535515771725	0.366042396371733	0.010798978928088	Phi:	0.3095					
0.004861810357385	-0.017137845659075	0.999841315932791	Kappa:	76.1335					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

236883.580	4014244.841	756.166							
0.366169382509650	-0.930535515771725	0.004861810357385	Omega:	-0.6876					
0.930440357199001	0.366042396371733	-0.017137845659075	Phi:	0.9020					
0.014167745335662	0.010798978928088	0.999841315932791	Kappa:	-76.1313					

IMAGEN DERECHA

237074.286	4013799.818	755.360							
0.359154943335267	-0.933192303902245	-0.012643204319339	Omega:	1.1770					
0.933189623155994	0.358901624562750	0.018621254527933	Phi:	-0.8174					
-0.012839544844582	-0.018486422689060	0.999746667043379	Kappa:	-76.6110					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
831	236913.37	4014318.52	0.84	-11.992	13.220	-147.455	0.029	0.017	
0.009									
35533	237270.37	4014191.20	0.36	36.744	69.074	-146.811	-0.007	0.015	-
0.071									
34833	236449.54	4014025.36	1.16	8.133	-92.149	-149.301	-0.026	-0.056	
0.036									
34841	237381.73	4013872.89	0.67	102.634	66.553	-147.146	0.001	-0.036	
0.088									
34843	236758.36	4013622.00	0.96	103.669	-64.843	-149.324	-0.003	0.054	-
0.024									
34842	236999.07	4013684.63	0.78	109.500	-16.557	-148.558	0.005	0.005	-
0.038									

EM.= 0.048

Nombre del modelo: F:\7-2006\3483-3484.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237074.295	4013800.180	755.369							
5.028842953113482									
0.358941187949965	0.933271042929352	-0.012898993085784	Omega:	-1.1784					
-0.933280518980932	0.358695723018985	-0.018023628340889	Phi:	-0.7763					
-0.012194116767951	0.018507801529279	0.999754352227987	Kappa:	76.6258					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237074.295	4013800.180	755.369							
0.358941187949965	-0.933280518980932	-0.012194116767951	Omega:	1.1476					
0.933271042929352	0.358695723018985	0.018507801529279	Phi:	-0.8212					
-0.012898993085784	-0.018023628340889	0.999754352227987	Kappa:	-76.6255					

IMAGEN DERECHA

237253.335	4013363.691	754.246							
0.323416485989294	-0.946098665958299	-0.017294243616413	Omega:	1.2267					
0.946252276920583	0.323304952965675	0.008974174640345	Phi:	-0.1846					
-0.002899140036326	-0.019267113426486	0.999810168645659	Kappa:	-79.0336					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34843	236758.36	4013622.00	0.96	12.344	-74.125	-148.534	0.037	-0.006	
0.020									
34842	236999.07	4013684.63	0.78	17.905	-24.978	-149.417	-0.005	-0.005	
0.046									
34841	237381.73	4013872.89	0.67	10.286	59.462	-151.073	-0.001	0.035	-
0.063									
34853	236876.91	4013191.64	0.40	100.677	-82.812	-147.400	-0.016	-0.008	-
0.023									
34851	237572.93	4013444.43	0.78	103.442	64.390	-150.032	-0.015	-0.008	
0.064									
34852	237235.85	4013295.33	0.70	107.052	-8.805	-148.628	0.000	-0.009	-
0.044									

EM.= 0.039

Nombre del modelo: F:\7-2006\3484-3485.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237436.613	4012914.856	751.446		
4.898691862220336				
0.356278851948524	0.934146929114941	0.020854123797649	Omega:	1.7166
-0.934300294108340	0.355868923949903	0.020982597451387	Phi:	0.7754
0.012179494378281	-0.026959669728394	0.999562322281520	Kappa:	76.8073

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237436.613	4012914.856	751.446		
0.356278851948524	-0.934300294108340	0.012179494378281	Omega:	-1.3362
0.934146929114941	0.355868923949903	-0.026959669728394	Phi:	1.3277
0.020854123797649	0.020982597451387	0.999562322281520	Kappa:	-76.8038

IMAGEN DERECHA

237630.962	4012476.894	756.350		
0.373013189700234	-0.927728606735850	0.013445912152583	Omega:	-0.7272
0.927794635330142	0.373080627956369	0.002821293371906	Phi:	-0.4860
-0.007633803918444	0.011422665522552	0.999905619421200	Kappa:	-75.6642

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34863	236995.86	4012752.00	0.45	-2.863	-91.744	-155.817	-0.009	-0.007	
0.019									
34862	237521.80	4012904.07	0.90	6.385	19.586	-152.831	0.024	0.004	
0.001									
34861	237821.40	4013009.21	1.76	8.124	84.353	-150.919	0.020	-0.009	-
0.047									
34873	237188.00	4012274.47	0.70	102.188	-89.796	-156.999	-0.011	-0.013	
0.051									
34872	237405.44	4012337.34	0.73	106.014	-43.769	-155.769	0.008	0.008	-
0.094									
34871	237956.77	4012713.84	0.97	74.309	88.723	-151.792	-0.032	0.017	
0.069									

EM.= 0.044

Nombre del modelo: F:\7-2006\3486-3487.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237631.360	4012477.313	756.398						
5.212360299635870								
0.373121904359980	0.927753989587014	-0.007251157987610	Omega:	-0.1472				
-0.927681410087352	0.373185196099249	0.011832615548021	Phi:	0.8712				
0.013683781097478	0.002311756419875	0.999903700321752	Kappa:	75.6551				

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237631.360	4012477.313	756.398						
0.373121904359980	-0.927681410087352	0.013683781097478	Omega:	-0.7533				
0.927753989587014	0.373185196099249	0.002311756419875	Phi:	-0.4616				
-0.007251157987610	0.011832615548021	0.999903700321752	Kappa:	-75.6568				

IMAGEN DERECHA

237828.087	4012030.099	759.233						
0.382453778639873	-0.923803353951075	-0.017789615870686	Omega:	1.3069				
0.923969502631252	0.382316657455344	0.010692597417395	Phi:	-0.1959				
-0.003076590879543	-0.020526486813797	0.999784575760020	Kappa:	-75.0157				

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34871	237956.77	4012713.84	0.97	-20.791	74.514	-144.810	0.037	-0.019	-
0.108									
34872	237405.44	4012337.34	0.73	6.754	-50.566	-144.980	-0.009	-0.009	
0.071									
34873	237188.00	4012274.47	0.70	2.379	-93.773	-144.812	0.004	-0.006	-
0.002									
35493	237997.88	4012424.59	0.81	33.644	61.131	-145.597	-0.029	0.032	
0.108									
34881	238187.51	4012217.74	7.52	84.045	80.074	-145.026	-0.002	0.004	
0.024									
34882	237732.54	4012014.56	1.38	87.620	-15.459	-146.015	0.009	-0.001	-
0.068									
34883	237463.44	4011868.83	0.67	94.293	-73.787	-146.117	-0.010	-0.001	-
0.026									

EM.= 0.052

Nombre del modelo: F:\7-2006\3487-3488.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237828.025 4012030.215 759.186
 4.845426393225553
 0.382489483657563 0.923954359234515 -0.003183856609182 Omega: -0.6835
 -0.923792048902859 0.382352082192221 -0.020374877352548 Phi: -1.1210
 -0.017608102544833 0.010734397738571 0.999787341103077 Kappa: 75.0093

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237828.025 4012030.215 759.186
 0.382489483657563 -0.923792048902859 -0.017608102544833 Omega: 1.2972
 0.923954359234515 0.382352082192221 0.010734397738571 Phi: -0.2027
 -0.003183856609182 -0.020374877352548 0.999787341103077 Kappa: -75.0132

IMAGEN DERECHA

238015.621 4011600.521 752.529
 0.400294883789944 -0.916349270981948 -0.008247398526113 Omega: 0.1413
 0.916254917123177 0.400373689735925 -0.013335494548089 Phi: 0.9882
 0.015522012085948 -0.002218589212617 0.999877064944840 Kappa: -73.7782

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34883	237463.44	4011868.83	0.67	4.750	-83.923	-155.585	-0.067	-0.004	-
0.031									
34882	237732.54	4012014.56	1.38	-1.798	-21.121	-156.236	-0.008	0.001	
0.012									
34881	238187.51	4012217.74	7.52	-4.643	81.682	-156.126	0.000	-0.004	
0.031									
35483	238159.91	4011966.25	0.69	41.156	56.558	-156.443	-0.013	0.031	-
0.055									
34891	238387.13	4011716.33	0.52	106.726	80.162	-155.592	0.023	-0.035	
0.019									
34893	237606.86	4011413.59	0.28	102.862	-92.519	-153.848	0.028	0.023	-
0.021									
34892	238060.31	4011591.49	0.53	104.732	8.002	-154.844	-0.031	-0.037	-
0.007									
1111	237520.82	4011565.05	0.78	67.190	-96.981	-154.340	0.066	0.024	
0.052									

EM.= 0.038

Nombre del modelo: F:\7-2006\3488-3489.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238015.073	4011600.632	752.522							
4.860744478242252									
0.400221165591150	0.916297794522569	0.014878520287244	Omega:	0.8176					
-0.916385636959599	0.400291695198919	-0.001980689002841	Phi:	-0.4947					
-0.007770649072770	-0.012841748629052	0.999887346907208	Kappa:	73.7858					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238015.073	4011600.632	752.522							
0.400221165591150	-0.916385636959599	-0.007770649072770	Omega:	0.1261					
0.916297794522569	0.400291695198919	-0.012841748629052	Phi:	0.9472					
0.014878520287244	-0.001980689002841	0.999887346907208	Kappa:	-73.7836					

IMAGEN DERECHA

238209.266	4011162.076	749.643							
0.379084495913027	-0.925359641819636	-0.002116187562927	Omega:	0.6503					
0.925159739364191	0.378952802500311	0.021776825681028	Phi:	-1.2319					
-0.019349460404577	-0.010213068520042	0.999760617154655	Kappa:	-75.2429					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34893	237606.86	4011413.59	0.28	2.855	-90.366	-155.913	-0.008	0.003	-
0.009									
34892	238060.31	4011591.49	0.53	6.655	9.753	-154.550	0.031	0.037	
0.015									
34891	238387.13	4011716.33	0.52	10.033	81.652	-153.604	-0.023	0.035	
0.018									
35473	238408.47	4011627.39	0.54	28.534	78.346	-153.487	0.048	-0.058	-
0.036									
34901	238580.72	4011407.53	0.57	84.188	92.721	-152.878	-0.045	0.017	
0.038									
34902	238134.99	4011183.55	0.38	89.709	-9.752	-154.168	-0.021	0.000	-
0.073									
34903	237814.32	4011056.95	0.16	87.165	-80.629	-155.169	0.018	-0.035	
0.047									

EM.= 0.042

Nombre del modelo: F:\7-2006\3489-3490.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238209.057	4011162.268	749.647							
5.008500891751060									
0.379207693238806	0.925104157632897	-0.019591399103487	Omega:	-1.3949					
-0.925309840066222	0.379080879537199	-0.009969285126126	Phi:	-0.1143					
-0.001795902315293	0.021908543987040	0.999758366024132	Kappa:	75.2393					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238209.057	4011162.268	749.647							
0.379207693238806	-0.925309840066222	-0.001795902315293	Omega:	0.6348					
0.925104157632897	0.379080879537199	0.021908543987040	Phi:	-1.2473					
-0.019591399103487	-0.009969285126126	0.999758366024132	Kappa:	-75.2343					

IMAGEN DERECHA

238399.313	4010714.558	747.223							
0.394143840426274	-0.918964221446502	-0.012465663049020	Omega:	1.0674					
0.919018422719519	0.393984355128881	0.013470954524732	Phi:	-0.4754					
-0.007468049019339	-0.016765667744049	0.999831556127801	Kappa:	-74.2075					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34903	237814.32	4011056.95	0.16	-10.159	-84.153	-147.852	-0.034	-0.008	-
0.011									
34902	238134.99	4011183.55	0.38	-9.273	-15.352	-149.330	0.022	-0.001	
0.072									
34901	238580.72	4011407.53	0.57	-16.910	83.928	-151.453	0.048	-0.018	-
0.062									
35463	238558.22	4011068.62	0.17	44.014	54.131	-150.787	-0.033	0.027	
0.015									
34912	238449.92	4010730.29	-0.48	98.313	8.511	-149.784	0.011	0.010	-
0.162									
34911	238829.28	4010861.59	1.14	102.780	88.532	-151.260	-0.025	0.006	
0.107									
34913	238000.45	4010588.01	-0.36	90.564	-85.276	-147.759	0.011	-0.016	
0.041									

EM.= 0.063

Nombre del modelo: F:\7-2006\3490-3491.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238209.057 4011162.268 749.647
5.008500891751060
0.379207693238806 0.925104157632897 -0.019591399103487 Omega: -1.3949
-0.925309840066222 0.379080879537199 -0.009969285126126 Phi: -0.1143
-0.001795902315293 0.021908543987040 0.999758366024132 Kappa: 75.2393

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238209.057 4011162.268 749.647
0.379207693238806 -0.925309840066222 -0.001795902315293 Omega: 0.6348
0.925104157632897 0.379080879537199 0.021908543987040 Phi: -1.2473
-0.019591399103487 -0.009969285126126 0.999758366024132 Kappa: -75.2343

IMAGEN DERECHA

238399.313 4010714.558 747.223
0.394143840426274 -0.918964221446502 -0.012465663049020 Omega: 1.0674
0.919018422719519 0.393984355128881 0.013470954524732 Phi: -0.4754
-0.007468049019339 -0.016765667744049 0.999831556127801 Kappa: -74.2075

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34903	237814.32	4011056.95	0.16	-10.159	-84.153	-147.852	-0.034	-0.008	-
0.011									
34902	238134.99	4011183.55	0.38	-9.273	-15.352	-149.330	0.022	-0.001	
0.072									
34901	238580.72	4011407.53	0.57	-16.910	83.928	-151.453	0.048	-0.018	-
0.062									
35463	238558.22	4011068.62	0.17	44.014	54.131	-150.787	-0.033	0.027	
0.015									
34912	238449.92	4010730.29	-0.48	98.313	8.511	-149.784	0.011	0.010	-
0.162									
34911	238829.28	4010861.59	1.14	102.780	88.532	-151.260	-0.025	0.006	
0.107									
34913	238000.45	4010588.01	-0.36	90.564	-85.276	-147.759	0.011	-0.016	
0.041									

EM.= 0.063

Nombre del modelo: F:\7-2006\3490-3491.abs
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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238399.163	4010714.823	747.318		
4.881791973963127				
0.394181746641045	0.919000583078792	-0.007660216436619	Omega:	-0.8603
-0.918953195501358	0.394024535383808	-0.016422240815975	Phi:	-0.7687
-0.012073735662963	0.013512727941264	0.999835802064882	Kappa:	74.2036

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238399.163	4010714.823	747.318		
0.394181746641045	-0.918953195501358	-0.012073735662963	Omega:	1.0455
0.919000583078792	0.394024535383808	0.013512727941264	Phi:	-0.4877
-0.007660216436619	-0.016422240815975	0.999835802064882	Kappa:	-74.2048

IMAGEN DERECHA

238579.444	4010279.147	739.986		
0.384009462614365	-0.923251799764725	-0.011951855664453	Omega:	1.3430
0.923121220855737	0.383616118591184	0.026189409364254	Phi:	-1.2475
-0.019594494850364	-0.021089992608617	0.999585548106478	Kappa:	-74.9035

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34913	238000.45	4010588.01	-0.36	-6.475	-87.358	-152.064	-0.015	-0.016	-
0.071									
34912	238449.92	4010730.29	-0.48	3.036	8.736	-153.319	-0.011	-0.009	
0.158									
34911	238829.28	4010861.59	1.14	8.945	90.747	-153.975	0.024	-0.006	-
0.086									
34922	238587.78	4010265.38	-0.72	101.685	-2.833	-151.974	-0.033	-0.005	-
0.076									
34921	239005.65	4010402.14	-0.48	109.681	86.861	-153.062	0.011	0.007	
0.030									
34923	238324.63	4010190.23	-0.64	94.585	-58.450	-151.316	0.024	0.029	
0.045									

EM.= 0.068

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238578.539	4010280.770	739.976							
4.697903161375076									
0.384010338289317	0.923096107759238	-0.020727660906848	Omega:	-1.6804					
-0.923280072231844	0.383662695015046	-0.018890332801526	Phi:	-0.6039					
-0.009485162438486	0.026391519348784	0.999606682350602	Kappa:	74.9073					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238578.539	4010280.770	739.976							
0.384010338289317	-0.923280072231844	-0.009485162438486	Omega:	1.2029					
0.923096107759238	0.383662695015046	0.026391519348784	Phi:	-1.3197					
-0.020727660906848	-0.018890332801526	0.999606682350602	Kappa:	-74.9028					

IMAGEN DERECHA

238764.116	4009835.415	739.896							
0.414391679076147	-0.910063373721884	0.008011998651616	Omega:	-0.9489					
0.909999993869460	0.414201091610398	-0.018370271264673	Phi:	0.8531					
0.013399532455834	0.014903406278305	0.999799150335341	Kappa:	-72.7963					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34923	238324.63	4010190.23	-0.64	-1.466	-61.453	-156.096	0.031	0.011	-
0.025									
34922	238587.78	4010265.38	-0.72	5.273	-3.609	-157.588	0.031	0.004	
0.027									
34921	239005.65	4010402.14	-0.48	12.554	89.678	-159.919	-0.010	-0.006	-
0.026									
35443	239125.12	4010246.22	0.16	52.962	100.422	-159.698	-0.006	-0.003	
0.050									
34931	239117.67	4009997.23	0.13	101.295	78.619	-158.653	0.006	0.041	-
0.037									
34932	238619.53	4009833.46	-0.78	92.756	-32.626	-155.998	-0.046	-0.023	-
0.004									
34933	238393.64	4009654.69	-0.74	109.420	-91.619	-154.277	-0.007	-0.025	
0.015									

EM.= 0.031

Nombre del modelo: F:\7-2006\3492-3493.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238961.330	4009385.157	743.276							
4.868945119175010									
0.399978217754016	0.916524317026504	-0.000775642585822	Omega:	-0.0029					
-0.916522810831506	0.399978967172002	0.001662241118040	Phi:	0.1167					
0.001833725125817	0.000046033883087	0.999998317665107	Kappa:	73.8035					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238961.330	4009385.157	743.276							
0.399978217754016	-0.916522810831506	0.001833725125817	Omega:	-0.1058					
0.916524317026504	0.399978967172002	0.000046033883087	Phi:	-0.0494					
-0.000775642585822	0.001662241118040	0.999998317665107	Kappa:	-73.8035					

IMAGEN DERECHA

239151.236	4008952.251	745.662							
0.399379862780659	-0.916782645106918	0.002303657106579	Omega:	0.2158					
0.916685409977982	0.399372119084162	0.013775689882006	Phi:	-0.8626					
-0.013549329828497	-0.003390004275591	0.999902457008788	Kappa:	-73.8425					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34943	238563.29	4009175.25	0.70	6.541	-92.181	-152.506	0.007	0.031	-
0.077									
34942	238892.99	4009340.16	-0.14	2.575	-16.567	-152.705	0.004	-0.004	
0.078									
34941	239367.00	4009549.03	0.91	2.190	89.824	-152.478	-0.010	-0.046	
0.003									
35423	239377.64	4009292.26	0.22	51.409	70.725	-152.705	0.009	0.021	-
0.021									
34951	239404.38	4009090.82	1.06	91.530	59.206	-152.609	0.020	0.047	-
0.001									
34952	239195.45	4008928.22	0.50	104.966	6.533	-152.740	-0.025	-0.010	-
0.032									
34953	238757.28	4008774.73	0.38	97.857	-88.559	-152.764	-0.005	-0.039	
0.049									

EM.= 0.042

Nombre del modelo: F:\7-2006\3494-3495.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239150.661	4008952.358	745.891							
4.840187142192488									
0.399511478784653	0.916617837172095	-0.014223884745419	Omega:	-0.9122					
-0.916724142740743	0.399507739201479	-0.003226830390967	Phi:	0.1735					
0.002724781743415	0.014328534330970	0.999893628676759	Kappa:	73.8359					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239150.661	4008952.358	745.891							
0.399511478784653	-0.916724142740743	0.002724781743415	Omega:	0.2054					
0.916617837172095	0.399507739201479	0.014328534330970	Phi:	-0.9056					
-0.014223884745419	-0.003226830390967	0.999893628676759	Kappa:	-73.8331					

IMAGEN DERECHA

239344.466	4008507.307	749.734							
0.409447888112070	-0.912298040299798	0.008044413323193	Omega:	-0.7176					
0.912317113385466	0.409371756946136	-0.009604646731914	Phi:	0.3482					
0.005469144775582	0.011271658262340	0.999921516007852	Kappa:	-73.1438					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34953	238757.28	4008774.73	0.38	0.757	-91.364	-152.725	-0.014	0.010	-
0.046									
34952	239195.45	4008928.22	0.50	7.849	4.279	-154.107	0.024	0.010	
0.035									
34951	239404.38	4009090.82	1.06	-5.708	57.280	-154.708	-0.019	-0.046	
0.010									
34961	239685.44	4008690.75	1.16	93.276	77.466	-155.241	0.034	0.044	-
0.019									
961	239300.78	4008524.23	1.10	93.051	-9.103	-154.009	-0.028	-0.052	-
0.031									
34962	239422.64	4008508.93	0.43	106.017	12.699	-154.502	-0.001	0.010	-
0.006									
34963	239055.36	4008442.17	0.14	88.347	-62.369	-153.450	0.004	0.025	
0.059									

EM.= 0.037

Nombre del modelo: F:\7-2006\3495-3496.abs
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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239344.054	4008507.664	749.843		
4.941661008965852				
0.409497418283280	0.912297862886743	0.004947099312668	Omega:	0.5931
-0.912270029588647	0.409421321026718	0.011729237105069	Phi:	0.5523
0.008675110008404	-0.009316182749304	0.999918972319919	Kappa:	73.1397

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239344.054	4008507.664	749.843		
0.409497418283280	-0.912270029588647	0.008675110008404	Omega:	-0.7467
0.912297862886743	0.409421321026718	-0.009316182749304	Phi:	0.3149
0.004947099312668	0.011729237105069	0.999918972319919	Kappa:	-73.1405

IMAGEN DERECHA

239538.277	4008066.113	754.743		
0.413302199255490	-0.910578981301030	0.005216407130877	Omega:	-0.7253
0.910508394423761	0.413178085047926	-0.016072763296755	Phi:	0.7945
0.012480215320286	0.011392490900058	0.999857217494903	Kappa:	-72.8728

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34963	239055.36	4008442.17	0.14	-13.145	-57.310	-152.144	-0.004	0.022	
0.006									
34962	239422.64	4008508.93	0.43	4.962	16.026	-151.565	0.001	-0.010	
0.030									
34961	239685.44	4008690.75	1.16	-6.829	79.614	-150.716	-0.035	-0.046	-
0.001									
35403	239691.30	4008437.38	0.47	40.442	59.682	-151.437	0.052	0.056	-
0.067									
34971	239884.96	4008230.67	0.40	94.644	78.325	-151.773	-0.011	-0.002	
0.056									
34972	239510.04	4008008.24	0.27	104.634	-9.322	-152.683	0.004	-0.008	-
0.040									
34973	239302.10	4007964.02	0.24	95.567	-51.372	-153.014	-0.006	-0.013	
0.016									

EM.= 0.038

Nombre del modelo: F:\7-2006\3496-3497.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239538.393	4008066.444	754.892		
4.937183235298910				
0.413321662781421	0.910497710784130	0.012614346295413	Omega:	1.0425
-0.910568145347478	0.413189804805067	0.011825306913743	Phi:	0.3536
0.005554795590738	-0.016373877427474	0.999850509018191	Kappa:	72.8733

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239538.393	4008066.444	754.892		
0.413321662781421	-0.910568145347478	0.005554795590738	Omega:	-0.7529
0.910497710784130	0.413189804805067	-0.016373877427474	Phi:	0.8031
0.012614346295413	0.011825306913743	0.999850509018191	Kappa:	-72.8714

IMAGEN DERECHA

239732.304	4007630.281	755.545		
0.397874356025386	-0.917428579402796	0.004560538603197	Omega:	-0.2415
0.917435898041391	0.397882407544871	0.000981198900991	Phi:	-0.1728
-0.002714737992990	0.003793607948112	0.999989119308988	Kappa:	-73.9495

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34973	239302.10	4007964.02	0.24	-1.741	-49.653	-153.671	0.031	0.010	-
0.035									
34972	239510.04	4008008.24	0.27	7.513	-7.597	-153.039	-0.003	0.008	
0.025									
34971	239884.96	4008230.67	0.40	-2.124	80.157	-151.507	0.011	0.002	-
0.047									
35393	239850.78	4008012.66	0.46	35.236	55.601	-152.133	0.009	0.087	
0.098									
34983	239586.40	4007503.19	4.81	107.046	-35.805	-153.141	0.060	-0.036	
0.056									
34981	239980.58	4007761.24	0.26	92.460	58.526	-152.426	-0.086	-0.029	
0.001									
34982	239787.47	4007634.51	1.56	99.660	12.292	-152.938	-0.022	-0.042	-
0.098									

EM.= 0.060

Nombre del modelo: F:\7-2006\3497-3498.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239732.083	4007630.184	755.211							
4.921593374475672									
0.398224759396701	0.917283062689868	-0.002970505972957	Omega:	-0.0771					
-0.917275986130231	0.398233996872479	0.003801184523582	Phi:	0.2973					
0.004669718647985	0.001211048003324	0.999988363477537	Kappa:	73.9250					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239732.083	4007630.184	755.211							
0.398224759396701	-0.917275986130231	0.004669718647985	Omega:	-0.2420					
0.917283062689868	0.398233996872479	0.001211048003324	Phi:	-0.1891					
-0.002970505972957	0.003801184523582	0.999988363477537	Kappa:	-73.9252					

IMAGEN DERECHA

239919.667	4007191.394	755.398							
0.393913183551905	-0.919135796085991	0.004668209225670	Omega:	-0.2431					
0.919142941028809	0.393922343308125	0.001200583003639	Phi:	-0.1873					
-0.002942410732046	0.003817826083939	0.999988383144063	Kappa:	-74.2241					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34983	239586.40	4007503.19	4.81	11.182	-37.604	-152.460	-0.060	0.035	-
0.097									
34982	239787.47	4007634.51	1.56	2.966	10.481	-153.173	0.021	0.042	
0.067									
34981	239980.58	4007761.24	0.26	-5.037	56.716	-153.442	0.086	0.029	-
0.007									
35383	240169.29	4007557.00	2.68	48.300	75.382	-153.200	-0.010	-0.014	-
0.107									
992	239738.83	4007341.31	3.59	53.668	-22.279	-152.955	-0.090	-0.063	
0.051									
981	239619.52	4007537.34	2.32	7.456	-28.693	-152.985	0.118	-0.083	
0.027									
991	240289.95	4007592.29	1.18	51.502	100.732	-153.588	-0.066	0.054	
0.073									
34993	239859.10	4007179.05	1.61	93.644	-13.015	-153.546	-0.000	-0.000	
0.008									
34991	240342.68	4007396.72	14.52	92.216	94.729	-151.043	0.000	-0.000	-
0.013									
34992	240029.87	4007193.09	4.52	104.847	19.950	-153.045	0.000	-0.000	-
0.002									

EM.= 0.063

Nombre del modelo: F:\7-2006\3498-3499.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239732.083 4007630.184 755.211
4.921593374475672
0.398224759396701 0.917283062689868 -0.002970505972957 Omega: -0.0771
-0.917275986130231 0.398233996872479 0.003801184523582 Phi: 0.2973
0.004669718647985 0.001211048003324 0.999988363477537 Kappa: 73.9250

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239732.083 4007630.184 755.211
0.398224759396701 -0.917275986130231 0.004669718647985 Omega: -0.2420
0.917283062689868 0.398233996872479 0.001211048003324 Phi: -0.1891
-0.002970505972957 0.003801184523582 0.999988363477537 Kappa: -73.9252

IMAGEN DERECHA

239919.667 4007191.394 755.398
0.393913183551905 -0.919135796085991 0.004668209225670 Omega: -0.2431
0.919142941028809 0.393922343308125 0.001200583003639 Phi: -0.1873
-0.002942410732046 0.003817826083939 0.999988383144063 Kappa: -74.2241

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
34983	239586.40	4007503.19	4.81	11.182	-37.604	-152.460	-0.060	0.035	-
0.097									
34982	239787.47	4007634.51	1.56	2.966	10.481	-153.173	0.021	0.042	
0.067									
34981	239980.58	4007761.24	0.26	-5.037	56.716	-153.442	0.086	0.029	-
0.007									
35383	240169.29	4007557.00	2.68	48.300	75.382	-153.200	-0.010	-0.014	-
0.107									
992	239738.83	4007341.31	3.59	53.668	-22.279	-152.955	-0.090	-0.063	
0.051									
981	239619.52	4007537.34	2.32	7.456	-28.693	-152.985	0.118	-0.083	
0.027									
991	240289.95	4007592.29	1.18	51.502	100.732	-153.588	-0.066	0.054	
0.073									
34993	239859.10	4007179.05	1.61	93.644	-13.015	-153.546	-0.000	-0.000	
0.008									
34991	240342.68	4007396.72	14.52	92.216	94.729	-151.043	0.000	-0.000	-
0.013									
34992	240029.87	4007193.09	4.52	104.847	19.950	-153.045	0.000	-0.000	-
0.002									

EM.= 0.063

Nombre del modelo: F:\7-2006\3498-3499.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240494.057 4007711.802 733.107
 4.747861869599103
 0.392418918649175 0.919703602333518 -0.012356218716208 Omega: -1.3288
 -0.919621368813755 0.392058395593991 -0.024222973916935 Phi: -1.1099
 -0.017433597085151 0.020868596000112 0.999630217327216 Kappa: 74.3235

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240494.057 4007711.802 733.107
 0.392418918649175 -0.919621368813755 -0.017433597085151 Omega: 1.5424
 0.919703602333518 0.392058395593991 0.020868596000112 Phi: -0.7866
 -0.012356218716208 -0.024222973916935 0.999630217327216 Kappa: -74.3256

IMAGEN DERECHA

240688.324 4007274.496 726.888
 0.398511130375491 -0.917061589168314 -0.013671892295361 Omega: 1.2143
 0.917113376584325 0.398289239049946 0.016393185996408 Phi: -0.6104
 -0.009588193622705 -0.019071542389179 0.999772145448128 Kappa: -73.9041

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35383	240169.29	4007557.00	2.68	5.819	-78.911	-152.127	0.037	-0.003	-
0.114									
35382	240422.19	4007707.81	1.76	-2.484	-17.465	-153.722	0.008	-0.006	-
0.237									
35381	240743.13	4007814.25	18.58	3.367	53.565	-151.602	0.010	0.006	-
0.038									
991	240289.95	4007592.29	1.18	8.973	-52.616	-153.052	-0.048	0.005	
0.428									
35373	240335.15	4007168.29	11.73	94.788	-78.833	-148.678	-0.001	-0.004	-
0.083									
35372	240702.58	4007362.21	29.43	87.532	8.433	-146.910	-0.002	0.000	-
0.020									
35371	241023.81	4007464.86	38.33	94.168	79.173	-146.413	-0.003	0.002	
0.064									

EM.= 0.139

Nombre del modelo: F:\7-2006\3538-3537.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240296.807 4008154.536 737.186
 4.832369628959269
 0.403352350728194 0.914834341127838 -0.019621657810566 Omega: -1.8714
 -0.914866981700894 0.402758613013863 -0.028353226212292 Phi: -1.1483
 -0.018035713335954 0.029387547300577 0.999405365759120 Kappa: 73.5644

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240296.807 4008154.536 737.186
 0.403352350728194 -0.914866981700894 -0.018035713335954 Omega: 1.8056
 0.914834341127838 0.402758613013863 0.029387547300577 Phi: -1.2492
 -0.019621657810566 -0.028353226212292 0.999405365759120 Kappa: -73.5636

IMAGEN DERECHA

240493.833 4007711.916 733.047
 0.392485724219806 -0.919598314207472 -0.017143418283108 Omega: 1.5318
 0.919670354509669 0.392122653671174 0.021124950033920 Phi: -0.8088
 -0.012704145768742 -0.024057534883104 0.999629851342803 Kappa: -74.3209

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35393	239850.78	4008012.66	0.46	-7.639	-100.737	-149.712	-0.001	-0.091	-
0.051									
35392	240314.20	4008142.01	2.56	6.558	-2.213	-151.947	-0.011	-0.045	
0.080									
35391	240703.66	4008318.39	0.59	5.681	86.193	-154.947	0.047	-0.017	-
0.031									
391	240292.42	4008023.51	2.92	27.206	-16.230	-151.071	0.007	0.135	
0.008									
35381	240743.13	4007814.25	18.58	104.359	51.766	-148.424	-0.009	-0.005	-
0.049									
35382	240422.19	4007707.81	1.76	97.787	-17.968	-149.997	-0.004	0.007	
0.062									
35383	240169.29	4007557.00	2.68	105.228	-78.406	-147.878	-0.029	0.016	-
0.019									

EM.= 0.059

Nombre del modelo: F:\7-2006\3539-3538.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240102.772 4008593.076 741.878

4.976034779014308

0.375253716445568	0.926917026810574	-0.003077938016847	Omega:	-0.5264
-0.926841566851572	0.375175248597758	-0.014430620074497	Phi:	-0.7780
-0.012221221293847	0.008267904707775	0.999891135825211	Kappa:	75.5092

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240102.772 4008593.076 741.878

0.375253716445568	-0.926841566851572	-0.012221221293847	Omega:	0.9187
0.926917026810574	0.375175248597758	0.008267904707775	Phi:	-0.1959
-0.003077938016847	-0.014430620074497	0.999891135825211	Kappa:	-75.5110

IMAGEN DERECHA

240296.725 4008154.062 737.184

0.403379551921524	-0.914846320765374	-0.018470150883205	Omega:	1.8383
0.914820479943728	0.402769046165143	0.029674651248979	Phi:	-1.2548
-0.019708540461370	-0.028867019819847	0.999388947607288	Kappa:	-73.5616

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35403	239691.30	4008437.38	0.47	-0.212	-89.605	-148.269	-0.050	-0.042	-
0.021									
35402	240206.17	4008608.75	0.48	6.697	19.207	-149.106	0.020	-0.003	
0.091									
35401	240527.37	4008728.72	0.50	8.572	88.084	-149.625	0.022	-0.011	-
0.022									
36623	240468.37	4008590.66	0.30	29.833	66.680	-149.220	0.055	-0.020	-
0.070									
35393	239850.78	4008012.66	0.46	90.928	-91.933	-147.148	-0.008	0.009	
0.028									
35392	240314.20	4008142.01	2.56	101.785	4.142	-147.369	0.011	0.048	-
0.071									
35391	240703.66	4008318.39	0.59	98.306	89.997	-148.544	-0.049	0.019	
0.065									

EM.= 0.052

Nombre del modelo: F:\7-2006\3540-3539.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239916.546 4009027.816 743.229
 4.931782166712037
 0.385191997404077 0.922648306990084 -0.018634021149197 Omega: -1.4532
 -0.922814901415768 0.384966460399630 -0.014611026397464 Phi: -0.4015
 -0.006307365604190 0.022823802831939 0.999719606271390 Kappa: 74.8265

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239916.546 4009027.816 743.229
 0.385191997404077 -0.922814901415768 -0.006307365604190 Omega: 0.9304
 0.922648306990084 0.384966460399630 0.022823802831939 Phi: -1.1863
 -0.018634021149197 -0.014611026397464 0.999719606271390 Kappa: -74.8224

IMAGEN DERECHA

240103.070 4008592.845 741.887
 0.375221643441847 -0.926849102915221 -0.012627696466477 Omega: 0.9387
 0.926930977618027 0.375144414574560 0.008101292835098 Phi: -0.1764
 -0.002771466198322 -0.014744783442324 0.999887448834293 Kappa: -75.5132

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35413	239564.71	4008872.66	0.79	2.501	-81.368	-148.702	-0.009	-0.006	-
0.045									
35412	239832.62	4008973.98	0.51	4.468	-23.344	-150.071	0.018	0.004	-
0.049									
35411	240199.29	4009124.45	0.78	4.951	57.005	-151.866	-0.007	-0.004	
0.052									
36613	240269.14	4008965.21	0.82	40.202	57.633	-151.651	0.041	0.007	
0.055									
35401	240527.37	4008728.72	0.50	104.627	87.493	-151.980	-0.021	0.010	
0.002									
35402	240206.17	4008608.75	0.48	101.987	18.039	-150.393	-0.020	0.003	-
0.113									
35403	239691.30	4008437.38	0.47	93.836	-91.664	-147.983	-0.003	-0.014	
0.098									

EM.= 0.051

Nombre del modelo: F:\7-2006\3541-3540.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239720.939	4009480.703	740.842							
4.919844332370158									
0.391679619628766	0.920077625778725	-0.006651173494267	Omega:	-0.4919					
-0.920100921125421	0.391659871462523	-0.004103660574638	Phi:	-0.0745					
-0.001170688522676	0.007727071071600	0.999969460464187	Kappa:	74.3788					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239720.939	4009480.703	740.842							
0.391679619628766	-0.920100921125421	-0.001170688522676	Omega:	0.2613					
0.920077625778725	0.391659871462523	0.007727071071600	Phi:	-0.4234					
-0.006651173494267	-0.004103660574638	0.999969460464187	Kappa:	-74.3782					

IMAGEN DERECHA

239916.812	4009027.498	743.252							
0.385137364764554	-0.922833679331776	-0.006870993610250	Omega:	0.9592					
0.922678617246411	0.384903999907876	0.022651272175531	Phi:	-1.1624					
-0.018258683919365	-0.015063570157663	0.999719815406115	Kappa:	-74.8264					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35423	239377.64	4009292.26	0.22	8.071	-80.375	-149.924	0.073	-0.055	
0.062									
35422	239729.51	4009482.18	0.28	0.571	0.551	-150.524	0.051	-0.039	-
0.053									
35421	239962.44	4009565.95	5.50	3.449	50.792	-149.872	0.030	-0.035	
0.072									
951	239614.41	4009161.60	0.55	51.426	-46.435	-150.025	-0.341	0.139	-
0.150									
35411	240199.29	4009124.45	0.78	104.883	59.927	-150.764	0.043	0.008	-
0.020									
35412	239832.62	4008973.98	0.51	103.828	-20.624	-150.213	0.048	-0.010	
0.045									
35413	239564.71	4008872.66	0.79	101.444	-78.802	-149.708	0.096	-0.008	
0.043									

EM.= 0.120

Nombre del modelo: F:\7-2006\3542-3541.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239534.227 4009920.824 740.312
 4.726503813151587
 0.381557780869707 0.924342508576744 0.002141657264157 Omega: -0.3493
 -0.924151699663227 0.381524349390246 -0.019565449954383 Phi: -1.2034
 -0.018902271486591 0.005486133465545 0.999806284473270 Kappa: 75.0728

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239534.227 4009920.824 740.312
 0.381557780869707 -0.924151699663227 -0.018902271486591 Omega: 1.2457
 0.924342508576744 0.381524349390246 0.005486133465545 Phi: 0.1363
 0.002141657264157 -0.019565449954383 0.999806284473270 Kappa: -75.0775

IMAGEN DERECHA

239721.045 4009480.252 741.151
 0.391800361982947 -0.920048753400734 -0.001663645330942 Omega: 0.2920
 0.920027117669147 0.391777043085780 0.007800722041295 Phi: -0.4154
 -0.006525266541219 -0.004586924538158 0.999968190003985 Kappa: -74.3699

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35433	239128.04	4009838.53	0.11	-13.705	-86.861	-156.408	-0.396	0.014	-
0.060									
35432	239512.86	4009971.51	-0.03	-8.705	-0.983	-156.846	0.213	-0.075	
0.093									
35431	239694.33	4010064.41	0.03	-12.220	42.041	-157.109	0.053	-0.134	-
0.029									
35423	239377.64	4009292.26	0.22	113.235	-82.256	-154.023	0.132	0.136	
0.009									
35422	239729.51	4009482.18	0.28	104.498	1.914	-154.647	0.033	0.053	
0.048									
35421	239962.44	4009565.95	5.50	106.897	54.251	-153.760	-0.035	0.007	-
0.060									

EM.= 0.162

Nombre del modelo: F:\7-2006\3543-3542.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239349.163 4010360.627 749.846
 4.776763020316009
 0.398026571211365 0.917369307763359 -0.002898583015900 Omega: -1.1938
 -0.916670630258792 0.397595763835028 -0.040405002182775 Phi: -2.2868
 -0.035913844554343 0.018739310398641 0.999179180134930 Kappa: 73.9212

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239349.163 4010360.627 749.846
 0.398026571211365 -0.916670630258792 -0.035913844554343 Omega: 2.5730
 0.917369307763359 0.397595763835028 0.018739310398641 Phi: -0.1845
 -0.002898583015900 -0.040405002182775 0.999179180134930 Kappa: -73.9389

IMAGEN DERECHA

239534.787 4009920.460 740.564
 0.381639923546931 -0.924107101461748 -0.019417357777502 Omega: 1.2602
 0.924306398104275 0.381620620103158 0.004835776626548 Phi: 0.1872
 0.002941288594139 -0.019793113450071 0.999799770694792 Kappa: -75.0718

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35443	239125.12	4010246.22	0.16	8.924	-55.493	-155.718	0.012	0.005	
0.033									
35442	239353.47	4010370.64	0.24	4.074	-1.275	-156.882	-0.020	-0.013	-
0.017									
35441	239696.33	4010542.94	0.19	-0.422	78.906	-158.554	0.010	0.001	-
0.045									
36583	239714.50	4010251.69	2.14	56.974	58.162	-155.718	-0.009	0.016	
0.074									
35433	239128.04	4009838.53	0.11	87.404	-88.868	-152.279	0.018	0.007	
0.012									
35432	239512.86	4009971.51	-0.03	93.953	-3.879	-153.644	-0.061	-0.014	-
0.099									
35431	239694.33	4010064.41	0.03	91.240	38.681	-154.555	0.049	-0.001	
0.042									

EM.= 0.045

Nombre del modelo: F:\7-2006\3544-3543.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239160.007	4010798.315	757.213							
5.222070577622019									
0.393686307637401	0.919222120218536	0.006464122505759	Omega:	0.1711					
-0.919188900060736	0.393730196012265	-0.008264305976740	Phi:	-0.6457					
-0.010141853083313	-0.002688205550758	0.999944956668593	Kappa:	74.2385					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239160.007	4010798.315	757.213							
0.393686307637401	-0.919188900060736	-0.010141853083313	Omega:	0.5261					
0.919222120218536	0.393730196012265	-0.002688205550758	Phi:	0.4115					
0.006464122505759	-0.008264305976740	0.999944956668593	Kappa:	-74.2394					

IMAGEN DERECHA

239349.038	4010360.143	749.967							
0.398213604951501	-0.916573986135632	-0.036304996501412	Omega:	2.6029					
0.917287851452188	0.397770600133808	0.019014395794225	Phi:	-0.1902					
-0.002987040300851	-0.040873923332953	0.999159847062327	Kappa:	-73.9259					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35453	238840.59	4010691.02	-0.02	-3.734	-63.862	-145.232	-0.284	-0.177	
0.039									
35452	239243.21	4010851.31	0.16	-1.598	19.009	-144.942	0.128	-0.015	-
0.021									
35451	239556.07	4010925.95	0.25	8.843	79.714	-144.653	0.120	-0.060	-
0.027									
36573	239477.89	4010734.52	0.11	36.658	51.534	-144.480	0.018	-0.029	
0.001									
35441	239696.33	4010542.94	0.19	86.856	75.553	-143.898	-0.051	-0.014	
0.038									
35442	239353.47	4010370.64	0.24	91.354	2.184	-144.034	0.034	0.117	
0.012									
35443	239125.12	4010246.22	0.16	96.049	-47.397	-144.124	0.034	0.179	-
0.043									

EM.= 0.121

Nombre del modelo: F:\7-2006\3545-3544.abs
Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238970.235 4011239.975 756.080

4.951617494940206

0.408745233500271	0.912472543610167	-0.017921809294855	Omega:	-1.6036
-0.912564370181082	0.408362060958760	-0.021603181374954	Phi:	-0.7890
-0.012393722879519	0.025185002027119	0.999605978026382	Kappa:	73.1911

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238970.235 4011239.975 756.080

0.408745233500271	-0.912564370181082	-0.012393722879519	Omega:	1.3756
0.912472543610167	0.408362060958760	0.025185002027119	Phi:	-1.1410
-0.017921809294855	-0.021603181374954	0.999605978026382	Kappa:	-73.1887

IMAGEN DERECHA

239160.771 4010798.312 757.763

0.393666029740417	-0.919194379386745	-0.010428323558169	Omega:	0.5208
0.919223855439765	0.393719145080892	-0.003569087730224	Phi:	0.4702
0.007386516017109	-0.008180935190362	0.999939253995231	Kappa:	-74.2406

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35463	238558.22	4011068.62	0.17	-0.539	-93.896	-150.364	-0.025	-0.013	
0.018									
35462	238914.69	4011162.55	0.10	11.572	-20.466	-152.066	0.009	-0.019	-
0.042									
35461	239219.37	4011289.92	0.24	13.246	46.177	-153.697	0.049	-0.014	-
0.037									
36563	239363.04	4011257.18	0.56	31.154	69.958	-154.031	-0.003	0.044	
0.070									
35451	239556.07	4010925.95	0.25	108.125	78.224	-153.329	-0.044	-0.019	-
0.022									
35452	239243.21	4010851.31	0.16	96.058	14.401	-151.894	0.013	0.021	
0.004									
35453	238840.59	4010691.02	-0.02	92.361	-73.009	-149.775	0.000	-0.000	
0.009									

EM.= 0.035

Nombre del modelo: D:\cadiz\Barbate\3546-3545.abs

Fecha: 3/5/2006 16:40

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238775.566 4011679.821 754.920
4.998292323252451
0.399541597552681 0.916544846933664 -0.017665089425147 Omega: -1.3314
-0.916707314375010 0.399384787137772 -0.011810655116127 Phi: -0.2400
-0.003769827105765 0.020912564698363 0.999774201028077 Kappa: 73.8337

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238775.566 4011679.821 754.920
0.399541597552681 -0.916707314375010 -0.003769827105765 Omega: 0.7520
0.916544846933664 0.399384787137772 0.020912564698363 Phi: -1.1247
-0.017665089425147 -0.011810655116127 0.999774201028077 Kappa: -73.8295

IMAGEN DERECHA

238970.528 4011239.631 756.214
0.408632165778974 -0.912607555051024 -0.012930721347932 Omega: 1.4033
0.912529689322516 0.408242281616032 0.025056049287334 Phi: -1.1197
-0.017587472693330 -0.022038374820493 0.999602416383400 Kappa: -73.1968

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35473	238408.47	4011627.39	0.54	-19.153	-74.654	-149.471	-0.039	0.016	-
0.007									
35472	238811.62	4011798.43	13.55	-18.311	12.991	-148.703	-0.021	0.001	
0.020									
35471	239099.08	4011881.63	12.88	-10.596	72.338	-150.053	0.037	-0.000	
0.041									
36553	239135.23	4011506.15	0.09	61.163	48.916	-151.816	0.026	-0.034	-
0.138									
35463	238558.22	4011068.62	0.17	95.286	-91.858	-148.752	0.054	-0.012	-
0.013									
35462	238914.69	4011162.55	0.10	106.562	-18.979	-150.258	-0.007	0.013	
0.040									
35461	239219.37	4011289.92	0.24	107.562	47.077	-151.613	-0.050	0.016	
0.056									

EM.= 0.052

Nombre del modelo: F:\7-2006\3547-3546.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238586.036 4012112.533 751.989
 4.945543988639967
 0.387122201737781 0.921980001189143 0.009448721022522 Omega: 0.6141
 -0.922027305133159 0.387117318926500 0.002414534332712 Phi: -0.0911
 -0.001431611182578 -0.009646698628402 0.999952444716745 Kappa: 74.6938

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238586.036 4012112.533 751.989
 0.387122201737781 -0.922027305133159 -0.001431611182578 Omega: -0.1537
 0.921980001189143 0.387117318926500 -0.009646698628402 Phi: 0.6015
 0.009448721022522 0.002414534332712 0.999952444716745 Kappa: -74.6926

IMAGEN DERECHA

238775.992 4011679.925 755.066
 0.399596758901054 -0.916682900508262 -0.003858781094071 Omega: 0.7452
 0.916529749894889 0.399443961413985 0.020438670394986 Phi: -1.0947
 -0.017194412853763 -0.011703914117131 0.999783661879386 Kappa: -73.8259

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35483	238159.91	4011966.25	0.69	-5.895	-89.400	-152.784	-0.068	-0.177	-
0.041									
35482	238660.92	4012171.25	4.06	-4.877	20.013	-151.045	0.028	-0.034	-
0.040									
35481	238922.99	4012265.42	18.06	-1.915	76.214	-147.691	0.013	-0.001	
0.068									
35471	239099.08	4011881.63	12.88	83.418	79.011	-148.566	0.020	-0.015	-
0.042									
35472	238811.62	4011798.43	13.55	76.415	18.902	-149.022	0.063	-0.059	-
0.038									
35473	238408.47	4011627.39	0.54	76.751	-69.609	-152.518	0.018	-0.077	
0.025									
481	239075.94	4012176.60	23.12	26.614	97.764	-146.407	0.018	0.006	
0.012									
482	238460.28	4011660.22	0.97	74.775	-57.395	-152.323	-0.092	0.356	
0.055									

EM.= 0.109

Nombre del modelo: F:\7-2006\3548-3547.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238394.786 4012562.553 749.792
 4.934483727036706
 0.392947647758826 0.919383257847780 -0.018071284127268 Omega: -1.1340
 -0.919550763654483 0.392959472740372 -0.003040698286007 Phi: 0.2741
 0.004305715186072 0.017812298358477 0.999832077322950 Kappa: 74.2908

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238394.786 4012562.553 749.792
 0.392947647758826 -0.919550763654483 0.004305715186072 Omega: 0.1936
 0.919383257847780 0.392959472740372 0.017812298358477 Phi: -1.1505
 -0.018071284127268 -0.003040698286007 0.999832077322950 Kappa: -74.2866

IMAGEN DERECHA

238586.234 4012112.505 752.170
 0.387285532078051 -0.921958650053211 -0.001471133944001 Omega: -0.1561
 0.921909484927764 0.387280567540494 -0.009831765138513 Phi: 0.6133
 0.009634222503504 0.002451448056362 0.999950584858662 Kappa: -74.6813

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35493	237997.88	4012424.59	0.81	-6.554	-87.630	-150.208	-0.038	-0.029	-
0.065									
35492	238465.58	4012622.03	7.50	-6.095	15.249	-150.710	-0.001	-0.002	
0.042									
35491	238731.48	4012759.33	7.63	-10.505	75.711	-151.736	0.052	0.023	
0.020									
35481	238922.99	4012265.42	18.06	96.797	72.115	-150.006	-0.018	-0.005	-
0.051									
35482	238660.92	4012171.25	4.06	93.465	15.740	-151.836	-0.042	-0.009	
0.008									
35483	238159.91	4011966.25	0.69	91.764	-93.963	-150.565	0.047	0.022	
0.046									

EM.= 0.044

Nombre del modelo: F:\7-2006\3549-3548.abs
 Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238394.786	4012562.553	749.792							
4.934483727036706									
0.392947647758826	0.919383257847780	-0.018071284127268	Omega:	-1.1340					
-0.919550763654483	0.392959472740372	-0.003040698286007	Phi:	0.2741					
0.004305715186072	0.017812298358477	0.999832077322950	Kappa:	74.2908					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238394.786	4012562.553	749.792							
0.392947647758826	-0.919550763654483	0.004305715186072	Omega:	0.1936					
0.919383257847780	0.392959472740372	0.017812298358477	Phi:	-1.1505					
-0.018071284127268	-0.003040698286007	0.999832077322950	Kappa:	-74.2866					

IMAGEN DERECHA

238586.234	4012112.505	752.170							
0.387285532078051	-0.921958650053211	-0.001471133944001	Omega:	-0.1561					
0.921909484927764	0.387280567540494	-0.009831765138513	Phi:	0.6133					
0.009634222503504	0.002451448056362	0.999950584858662	Kappa:	-74.6813					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35493	237997.88	4012424.59	0.81	-6.554	-87.630	-150.208	-0.038	-0.029	-
0.065									
35492	238465.58	4012622.03	7.50	-6.095	15.249	-150.710	-0.001	-0.002	
0.042									
35491	238731.48	4012759.33	7.63	-10.505	75.711	-151.736	0.052	0.023	
0.020									
35481	238922.99	4012265.42	18.06	96.797	72.115	-150.006	-0.018	-0.005	-
0.051									
35482	238660.92	4012171.25	4.06	93.465	15.740	-151.836	-0.042	-0.009	
0.008									
35483	238159.91	4011966.25	0.69	91.764	-93.963	-150.565	0.047	0.022	
0.046									

EM.= 0.044

Nombre del modelo: F:\7-2006\3549-3548.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238207.528 4013004.685 745.202
 4.908904369103299
 0.390008852165241 0.920808878623047 -0.002025902692277 Omega: 0.0380
 -0.920787423197319 0.390013656747849 0.006314177049501 Phi: 0.4204
 0.006604280005609 -0.000597159223774 0.999978013201525 Kappa: 74.4938

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238207.528 4013004.685 745.202
 0.390008852165241 -0.920787423197319 0.006604280005609 Omega: -0.4020
 0.920808878623047 0.390013656747849 -0.000597159223774 Phi: -0.1290
 -0.002025902692277 0.006314177049501 0.999978013201525 Kappa: -74.4943

IMAGEN DERECHA

238394.736 4012562.247 749.916
 0.392920155042000 -0.919564514835287 0.003854194794478 Omega: 0.2242
 0.919395463528285 0.392923280861113 0.017979905476617 Phi: -1.1490
 -0.018048085920114 -0.003521138037915 0.999830919796712 Kappa: -74.2885

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35503	237866.71	4012849.16	0.92	1.084	-76.189	-151.678	-0.018	-0.057	
0.019									
35502	238184.83	4013010.36	0.87	-3.880	-3.719	-151.607	0.036	-0.042	-
0.014									
35501	238598.93	4013162.35	6.06	0.513	86.020	-150.526	0.100	-0.035	-
0.006									
501	238341.09	4012738.18	1.30	59.687	3.998	-151.936	-0.291	0.341	-
0.005									
35493	237997.88	4012424.59	0.81	91.131	-85.336	-152.297	0.104	-0.072	
0.000									
35491	238731.48	4012759.33	7.63	86.642	78.882	-150.786	0.012	-0.077	
0.032									
35492	238465.58	4012622.03	7.50	91.270	18.088	-150.869	0.056	-0.059	-
0.026									

EM.= 0.134

Nombre del modelo: F:\7-2006\3550-3549.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

238027.498 4013441.602 746.339
 4.854084974408489
 0.385639006821768 0.922587099133172 -0.010751787319232 Omega: -0.4747
 -0.922595104649334 0.385716808006909 0.006388810377942 Phi: 0.6393
 0.010041379118640 0.007455771858032 0.999921788027142 Kappa: 74.7949

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

238027.498 4013441.602 746.339
 0.385639006821768 -0.922595104649334 0.010041379118640 Omega: -0.4068
 0.922587099133172 0.385716808006909 0.007455771858032 Phi: -0.6845
 -0.010751787319232 0.006388810377942 0.999921788027142 Kappa: -74.7947

IMAGEN DERECHA

238207.720 4013004.437 745.405
 0.389943905006364 -0.920817319912320 0.006262132055455 Omega: -0.3839
 0.920836818972710 0.389947551855625 -0.000677957243922 Phi: -0.1157
 -0.001817628292058 0.006030767057054 0.999980162841291 Kappa: -74.4988

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35513	237637.64	4013258.08	1.34	2.372	-89.818	-152.848	-0.036	0.011	
0.015									
35512	238086.08	4013476.48	7.01	-3.505	12.770	-152.378	-0.005	0.002	-
0.018									
35511	238432.77	4013647.40	4.18	-8.454	92.235	-153.510	0.029	0.005	
0.004									
35503	237866.71	4012849.16	0.92	98.282	-78.792	-153.975	0.050	-0.002	-
0.008									
35502	238184.83	4013010.36	0.87	92.920	-5.510	-154.481	0.006	-0.009	
0.001									
35501	238598.93	4013162.35	6.06	96.945	85.291	-154.129	-0.044	-0.007	
0.007									

EM.= 0.026

Nombre del modelo: F:\7-2006\3551-3550.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237844.024	4013892.489	746.389							
4.679554227241924									
0.431694150953113	0.901853809301319	-0.017316659076502	Omega:	-1.4899					
-0.901977278642500	0.431407192585224	-0.018022846567738	Phi:	-0.5592					
-0.008783441554419	0.023399590475821	0.999687606365120	Kappa:	71.5820					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237844.024	4013892.489	746.389							
0.431694150953113	-0.901977278642500	-0.008783441554419	Omega:	1.1476					
0.901853809301319	0.431407192585224	0.023399590475821	Phi:	-1.1025					
-0.017316659076502	-0.018022846567738	0.999687606365120	Kappa:	-71.5786					

IMAGEN DERECHA

238027.537	4013441.363	746.434							
0.385581318486389	-0.922622764464704	0.009709857146515	Omega:	-0.3861					
0.922612178301203	0.385655872414044	0.007504433547826	Phi:	-0.6792					
-0.010668424654492	0.006064863071075	0.999924698240482	Kappa:	-74.7987					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35523	237564.36	4013732.77	0.56	6.390	-72.346	-157.676	-0.026	0.004	-
0.028									
35522	237928.60	4013905.03	7.09	6.774	13.756	-158.309	0.004	0.008	
0.061									
35521	238256.41	4014067.09	28.38	5.735	91.979	-155.579	0.020	-0.001	-
0.033									
35513	237637.64	4013258.08	1.34	104.637	-101.989	-155.956	0.024	-0.005	-
0.004									
35512	238086.08	4013476.48	7.01	103.901	4.599	-157.247	0.005	-0.001	
0.006									
35511	238432.77	4013647.40	4.18	102.948	87.165	-159.792	-0.027	-0.005	-
0.002									

EM.= 0.027

Nombre del modelo: F:\7-2006\3552-3551.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237657.129	4014334.518	751.093							
4.965909552690235									
0.450610524534021	0.892174683435920	-0.031216813021034	Omega:	-2.2720					
-0.892719528635241	0.450279005690144	-0.017339556740814	Phi:	-0.0900					
-0.001413638018229	0.035681245363797	0.999362221797903	Kappa:	70.2412					

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237657.129	4014334.518	751.093							
0.450610524534021	-0.892719528635241	-0.001413638018229	Omega:	1.1045					
0.892174683435920	0.450279005690144	0.035681245363797	Phi:	-1.9876					
-0.031216813021034	-0.017339556740814	0.999362221797903	Kappa:	-70.2256					

IMAGEN DERECHA

237844.254	4013892.437	746.425							
0.431632395664699	-0.902004698622168	-0.008999926459944	Omega:	1.1542					
0.901888717634318	0.431345509570705	0.023190350948468	Phi:	-1.0846					
-0.017035727653251	-0.018126638869953	0.999690556595691	Kappa:	-71.5831					

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
35533	237270.37	4014191.20	0.36	-9.114	-87.871	-148.149	-0.020	0.004	
0.004									
35532	237671.17	4014421.88	0.52	-14.216	5.049	-151.438	0.009	0.012	-
0.017									
35531	238033.62	4014534.33	17.58	-1.550	80.485	-150.682	0.009	-0.003	
0.014									
35521	238256.41	4014067.09	28.38	102.663	78.229	-148.284	-0.024	0.001	
0.038									
35523	237564.36	4013732.77	0.56	99.969	-76.627	-148.366	0.029	-0.004	
0.044									
35522	237928.60	4013905.03	7.09	102.053	4.484	-149.916	-0.003	-0.009	-
0.083									

EM.= 0.034

Nombre del modelo: F:\7-2006\3553-3552.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

237463.550 4014770.812 748.997
 4.961520074202582
 0.451631706395099 0.891849650666264 -0.025159538650662 Omega: -1.7002
 -0.892199562842695 0.451543072099819 -0.009423062239113 Phi: 0.1882
 0.002956660608775 0.026703083063963 0.999639036609177 Kappa: 70.1683

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

237463.550 4014770.812 748.997
 0.451631706395099 -0.892199562842695 0.002956660608775 Omega: 0.6001
 0.891849650666264 0.451543072099819 0.026703083063963 Phi: -1.6019
 -0.025159538650662 -0.009423062239113 0.999639036609177 Kappa: -70.1582

IMAGEN DERECHA

237657.214 4014334.534 751.139
 0.450559266588692 -0.892745325508145 -0.001459819994256 Omega: 1.1045
 0.892203953835673 0.450227836990166 0.035594937268491 Phi: -1.9815
 -0.031119962259792 -0.017340086000726 0.999365233218785 Kappa: -70.2294

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
542	237044.08	4014573.61	3.08	-3.160	-97.364	-147.784	-0.009	0.027	-
0.004									
541	237949.90	4014687.50	18.53	58.817	75.910	-149.481	-0.000	-0.000	-
0.003									
35541	237931.06	4014976.41	17.00	5.148	98.809	-150.247	-0.000	-0.000	
0.016									
35542	237519.57	4014769.79	0.16	4.837	5.947	-151.154	0.000	0.001	-
0.010									
35531	238033.62	4014534.33	17.58	93.982	77.014	-149.805	-0.010	0.003	-
0.004									
35532	237671.17	4014421.88	0.52	81.198	1.540	-151.189	-0.008	-0.011	-
0.011									
35533	237270.37	4014191.20	0.36	86.192	-91.507	-148.756	0.027	-0.018	
0.016									

EM.= 0.014

Nombre del modelo: F:\7-2006\3554-3553.abs
 Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239553.537 4011806.744 739.392
 4.575689749937457
 0.356079265498476 0.934270152074440 0.018623630818633 Omega: 1.0971
 -0.934428921370116 0.356149351041815 -0.000480270315345 Phi: -0.4508
 -0.007081496250653 -0.017231444956722 0.999826449797941 Kappa: 76.8221

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239553.537 4011806.744 739.392
 0.356079265498476 -0.934428921370116 -0.007081496250653 Omega: 0.0306
 0.934270152074440 0.356149351041815 -0.017231444956722 Phi: 1.1857
 0.018623630818633 -0.000480270315345 0.999826449797941 Kappa: -76.8185

IMAGEN DERECHA

239737.929 4011360.983 739.272
 0.357900115789073 -0.933440191021413 0.024431882941704 Omega: -1.7118
 0.933757980305148 0.357724125692186 -0.011379108673861 Phi: 0.1198
 0.001881843409848 0.026886049982648 0.999636733509584 Kappa: -76.6985

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
551	240040.14	4011959.67	7.53	7.769	114.015	-157.929	-0.000	-0.000	-
0.118									
563	240058.58	4011654.30	0.96	71.576	94.037	-159.314	0.000	0.000	
0.152									
36551	239898.62	4011954.77	1.02	-2.232	84.762	-159.957	0.000	0.000	
0.020									
36552	239575.26	4011683.55	0.04	27.993	-2.369	-161.449	-0.000	0.000	-
0.016									
36553	239135.23	4011506.15	0.09	29.986	-106.020	-163.232	-0.022	0.029	
0.081									
36563	239363.04	4011257.18	0.56	98.541	-78.895	-162.142	0.038	-0.025	-
0.080									
36562	239882.82	4011413.96	0.80	106.980	39.444	-159.995	-0.005	-0.004	-
0.061									
36561	240137.68	4011483.14	1.04	112.688	96.867	-158.930	-0.011	-0.000	
0.022									

EM.= 0.059

Nombre del modelo: F:\7-2006\3655-3656.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239737.699 4011360.788 739.169
 4.887816726755437
 0.357936994911326 0.933744380704989 0.001593479120270 Omega: 0.7021
 -0.933429182439610 0.357770693022409 0.026647562447351 Phi: 1.5479
 0.024311911565524 -0.011025548336585 0.999643620616821 Kappa: 76.6888

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239737.699 4011360.788 739.169
 0.357936994911326 -0.933429182439610 0.024311911565524 Omega: -1.6966
 0.933744380704989 0.357770693022409 -0.011025548336585 Phi: 0.1014
 0.001593479120270 0.026647562447351 0.999643620616821 Kappa: -76.6960

IMAGEN DERECHA

239920.031 4010918.465 745.594
 0.369953763115700 -0.928910231390077 0.016124365890359 Omega: -1.1202
 0.929049973040261 0.369886742093669 -0.007067221322516 Phi: 0.0382
 0.000600625026472 0.017594886818765 0.999845017593933 Kappa: -75.8747

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36563	239363.04	4011257.18	0.56	-11.323	-77.483	-151.742	-0.038	-0.013	-
0.020									
36562	239882.82	4011413.96	0.80	-3.200	33.279	-150.679	0.006	0.005	
0.033									
36561	240137.68	4011483.14	1.04	2.254	87.029	-150.160	0.013	0.000	-
0.017									
36573	239477.89	4010734.52	0.11	96.901	-93.817	-154.651	0.038	0.034	
0.004									
36571	240041.80	4010868.23	2.41	112.666	23.704	-153.262	-0.007	-0.019	-
0.020									
36572	239818.19	4010917.34	3.06	86.918	-15.419	-152.943	-0.012	-0.005	
0.021									

EM,= 0.027

Nombre del modelo: F:\7-2006\3656-3657.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239919.673 4010918.547 745.608
4.977647893768540
0.369869506410666 0.929083699226932 0.000167506211967 Omega: 0.4275
-0.928938729629377 0.369808596804592 0.017732408859989 Phi: 1.0449
0.016412946782640 -0.006714280320266 0.999842754445763 Kappa: 75.8771

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239919.673 4010918.547 745.608
0.369869506410666 -0.928938729629377 0.016412946782640 Omega: -1.1289
0.929083699226932 0.369808596804592 -0.006714280320266 Phi: 0.0107
0.000167506211967 0.017732408859989 0.999842754445763 Kappa: -75.8805

IMAGEN DERECHA

240103.604 4010475.220 745.947
0.392164279449585 -0.919893089185151 0.001970378945399 Omega: -0.5164
0.919788655261450 0.392085359261290 -0.016059287197068 Phi: 0.8913
0.014000270573136 0.008110210992656 0.999869099883346 Kappa: -74.3426

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36573	239477.89	4010734.52	0.11	-0.945	-95.124	-150.415	-0.007	-0.022	-
0.005									
36572	239818.19	4010917.34	3.06	-9.764	-18.033	-149.155	0.013	0.006	-
0.029									
36571	240041.80	4010868.23	2.41	16.017	20.055	-149.468	0.010	0.020	
0.046									
36583	239714.50	4010251.69	2.14	106.755	-86.839	-151.726	0.011	0.009	
0.022									
36582	240064.86	4010443.12	42.37	97.196	-7.266	-142.940	-0.032	-0.007	-
0.023									
36581	240289.01	4010496.97	47.00	103.816	38.558	-141.815	0.006	-0.006	-
0.011									

EM.= 0.025

Nombre del modelo: F:\7-2006\3657-3658.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240103.126	4010475.403	746.066		
4.637477018736484				
0.392106075914250	0.919822481663818	0.013395053450589	Omega:	0.9937
-0.919916723929590	0.392024183444902	0.008382161356589	Phi:	0.1565
0.002458915569556	-0.015609030084340	0.999875148163033	Kappa:	74.3492

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240103.126	4010475.403	746.066		
0.392106075914250	-0.919916723929590	0.002458915569556	Omega:	-0.5337
0.919822481663818	0.392024183444902	-0.015609030084340	Phi:	0.8528
0.013395053450589	0.008382161356589	0.999875148163033	Kappa:	-74.3469

IMAGEN DERECHA

240295.036	4010029.004	747.158		
0.362846849931670	-0.931848475557029	0.000762952623276	Omega:	0.1503
0.931813002496223	0.362839969414999	0.008466697933501	Phi:	-0.5199
-0.008166509268829	-0.002361185499835	0.999963865811859	Kappa:	-76.3601

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36583	239714.50	4010251.69	2.14	11.120	-93.487	-161.918	-0.003	-0.027	-
0.027									
36582	240064.86	4010443.12	42.37	2.794	-7.956	-151.895	0.030	0.006	
0.023									
36581	240289.01	4010496.97	47.00	11.071	41.046	-150.149	-0.005	0.005	
0.004									
36591	240637.66	4010200.88	39.00	99.276	85.195	-151.395	0.002	-0.002	-
0.025									
36592	240199.47	4010006.89	41.80	100.712	-18.125	-152.421	-0.007	0.009	
0.030									
36593	240047.52	4009978.86	25.33	93.416	-50.576	-156.453	-0.017	0.008	-
0.006									

EM.= 0.021

Nombre del modelo: F:\7-2006\3658-3659.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240294.971 4010029.281 747.181
 4.641579704155498
 0.362794922291219 0.931832628991223 -0.008233826996887 Omega: -0.5343
 -0.931868308630970 0.362791298329431 -0.001982227459431 Phi: 0.0726
 0.001140056561641 0.008391984494257 0.999964136790557 Kappa: 76.3645

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240294.971 4010029.281 747.181
 0.362794922291219 -0.931868308630970 0.001140056561641 Omega: 0.1262
 0.931832628991223 0.362791298329431 0.008391984494257 Phi: -0.5242
 -0.008233826996887 -0.001982227459431 0.999964136790557 Kappa: -76.3637

IMAGEN DERECHA

240475.487 4009593.017 750.369
 0.385550003780240 -0.922669039594691 0.005747865557523 Omega: -0.4545
 0.922684374503629 0.385526751186361 -0.004761214817315 Phi: 0.1386
 0.002177069568148 0.007139152127488 0.999972146049577 Kappa: -74.8023

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36593	240047.52	4009978.86	25.33	-9.399	-54.927	-155.054	0.017	-0.006	
0.008									
36592	240199.47	4010006.89	41.80	-3.144	-22.199	-151.778	0.007	-0.007	-
0.036									
36591	240637.66	4010200.88	39.00	-7.839	80.930	-153.254	-0.006	0.001	
0.028									
36601	240809.68	4009752.51	1.65	95.617	80.344	-161.412	0.024	0.021	
0.017									
36602	240494.51	4009600.85	1.05	101.428	5.231	-160.903	-0.030	-0.007	-
0.059									
36603	240125.81	4009417.68	0.67	109.384	-83.111	-160.273	-0.012	-0.001	
0.043									

EM.= 0.031

Nombre del modelo: F:\7-2006\3659-3660.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240475.089 4009593.092 750.524

5.026038222340120

0.385560006143693	0.922681119577802	0.001741619111356	Omega:	0.2806
-0.922663049771316	0.385538742954191	0.007264590008800	Phi:	0.3840
0.006031438399696	-0.004407862969248	0.999972095858117	Kappa:	74.8012

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240475.089 4009593.092 750.524

0.385560006143693	-0.922663049771316	0.006031438399696	Omega:	-0.4625
0.922681119577802	0.385538742954191	-0.004407862969248	Phi:	0.1109
0.001741619111356	0.007264590008800	0.999972095858117	Kappa:	-74.8016

IMAGEN DERECHA

240664.420 4009145.129 751.770

0.394087649818409	-0.919052674560770	-0.006091440166266	Omega:	-0.0753
0.918892363012454	0.394132948718150	-0.017205927238141	Phi:	1.1596
0.018213990721183	0.001183265579696	0.999833411336397	Kappa:	-74.2076

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36603	240125.81	4009417.68	0.67	4.507	-76.921	-149.549	0.014	0.001	-
0.074									
36602	240494.51	4009600.85	1.05	-0.835	4.811	-149.108	0.036	0.009	
0.056									
36601	240809.68	4009752.51	1.65	-4.498	74.316	-148.651	-0.025	-0.024	
0.013									
36613	240269.14	4008965.21	0.82	98.564	-85.307	-150.146	-0.029	-0.024	
0.038									
36611	240898.03	4009216.36	12.77	100.723	49.383	-147.167	0.032	0.041	-
0.064									
36612	240607.76	4009092.49	0.91	101.178	-13.382	-149.826	-0.027	-0.004	
0.030									

EM.= 0.046

Nombre del modelo: F:\7-2006\3660-3661.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240664.053 4009145.297 751.966
 4.996509497583574
 0.394215818010209 0.918845648611381 0.017792213422515 Omega: 1.0761
 -0.919000022858581 0.394255002379515 0.001396812320014 Phi: -0.3649
 -0.005731214223059 -0.016901690053337 0.999840730345024 Kappa: 74.2028

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240664.053 4009145.297 751.966
 0.394215818010209 -0.919000022858581 -0.005731214223059 Omega: -0.0889
 0.918845648611381 0.394255002379515 -0.016901690053337 Phi: 1.1327
 0.017792213422515 0.001396812320014 0.999840730345024 Kappa: -74.1989

IMAGEN DERECHA

240854.013 4008709.479 749.204
 0.399949273884662 -0.916437930981079 -0.013494331337675 Omega: 0.8425
 0.916530919934107 0.399957981520873 0.002164676070247 Phi: 0.2173
 0.003413374264729 -0.013233732537307 0.999906604238245 Kappa: -73.8054

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36613	240269.14	4008965.21	0.82	2.831	-84.291	-151.757	-0.013	0.016	-
0.049									
36612	240607.76	4009092.49	0.91	6.131	-11.984	-150.503	0.027	0.003	-
0.022									
36611	240898.03	4009216.36	12.77	6.232	51.145	-147.078	-0.031	-0.041	
0.065									
36623	240468.37	4008590.66	0.30	87.437	-77.204	-151.286	-0.011	-0.002	
0.094									
36622	240943.01	4008756.11	0.99	94.453	23.126	-149.369	0.016	0.007	-
0.113									
36621	241218.29	4008891.58	28.34	91.225	84.347	-142.906	0.014	0.017	
0.025									

EM.= 0.056

Nombre del modelo: F:\7-2006\3661-3662.abs
 Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240853.852 4008709.486 749.325
 4.766172725702840
 0.400001480496131 0.916508889785752 0.003204769038548 Omega: -0.1494
 -0.916416690474374 0.400007432484513 -0.013209972639782 Phi: -0.8524
 -0.013388988793002 0.002347104777185 0.999907608771063 Kappa: 73.7994

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240853.852 4008709.486 749.325
 0.400001480496131 -0.916416690474374 -0.013388988793002 Omega: 0.8410
 0.916508889785752 0.400007432484513 0.002347104777185 Phi: 0.2040
 0.003204769038548 -0.013209972639782 0.999907608771063 Kappa: -73.8018

IMAGEN DERECHA

241044.589 4008273.147 748.821
 0.387856087278582 -0.921719936686163 -0.000117797307424 Omega: 0.0653
 0.921717472367968 0.387854747988414 0.002365500887339 Phi: -0.1359
 -0.002134641083126 -0.001026049755068 0.999997195260740 Kappa: -74.6431

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36621	241218.29	4008891.58	28.34	-2.405	85.011	-151.501	-0.012	-0.015	-
0.078									
36622	240943.01	4008756.11	0.99	0.620	20.692	-157.078	-0.015	-0.006	
0.062									
36623	240468.37	4008590.66	0.30	-7.393	-84.460	-157.070	-0.042	0.021	-
0.003									
622	240426.80	4008453.93	1.65	15.393	-103.942	-156.440	0.033	-0.007	
0.024									
621	241157.92	4008657.95	3.20	37.523	53.771	-156.184	0.033	0.008	-
0.002									
36632	241077.62	4008279.75	2.46	103.507	6.588	-155.341	0.028	0.016	-
0.022									
36631	241234.27	4008395.94	16.33	94.273	46.482	-152.666	-0.018	-0.014	
0.067									
36633	240616.27	4008122.92	28.16	94.869	-95.269	-149.819	-0.007	-0.002	-
0.047									

EM.= 0.038

Nombre del modelo: F:\7-2006\3662-3663.abs

Fecha: 11/3/2006 08:05

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

241044.966	4008273.391	748.656		
4.886177837744089				
0.387874696116738	0.921710520993468	-0.001713359943975	Omega:	-0.1188
-0.921712113292732	0.387873989720591	-0.000740478005683	Phi:	-0.0011
-0.000017938611105	0.001866437296228	0.999998258043496	Kappa:	74.6419

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

241044.966	4008273.391	748.656		
0.387874696116738	-0.921712113292732	-0.000017938611105	Omega:	0.0471
0.921710520993468	0.387873989720591	0.001866437296228	Phi:	-0.1091
-0.001713359943975	-0.000740478005683	0.999998258043496	Kappa:	-74.6418

IMAGEN DERECHA

241239.259	4007821.037	751.141		
0.388268052772276	-0.921544502085157	0.001910464091200	Omega:	-0.2502
0.921535941239163	0.388252861579436	-0.005587886884148	Phi:	0.2806
0.004407743286007	0.003930159284107	0.999982562671533	Kappa:	-74.6144

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
36633	240616.27	4008122.92	28.16	-5.644	-93.091	-147.293	0.010	0.002	
0.053									
36632	241077.62	4008279.75	2.46	1.396	6.386	-152.731	-0.028	-0.015	
0.015									
36631	241234.27	4008395.94	16.33	-8.085	45.153	-149.949	0.021	0.016	-
0.061									
36643	240817.61	4007726.57	37.30	85.105	-86.566	-145.414	0.001	-0.001	-
0.046									
36642	241148.93	4007906.16	42.82	77.529	-9.809	-144.435	-0.001	-0.001	-
0.010									
36641	241553.71	4008005.45	46.85	90.932	74.429	-143.779	-0.003	-0.001	
0.049									

EM.= 0.034

Nombre del modelo: F:\7-2006\3663-3664.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

239184.846 4012017.268 791.084
 4.901060119692967
 0.699554316767326 0.714468420518401 -0.012594997980993 Omega: -1.1065
 -0.714579383004461 0.699451805449099 -0.011978198485515 Phi: 0.0160
 0.000251549524831 0.017379526343839 0.999848932982828 Kappa: 50.6764

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

239184.846 4012017.268 791.084
 0.699554316767326 -0.714579383004461 0.000251549524831 Omega: 0.7626
 0.714468420518401 0.699451805449099 0.017379526343839 Phi: -0.8018
 -0.012594997980993 -0.011978198485515 0.999848932982828 Kappa: -50.6714

IMAGEN DERECHA

239486.325 4011697.857 790.055
 0.698126935352347 -0.715932281243076 0.007729864786989 Omega: 0.8000
 0.715573289696750 0.698056699936901 0.025917383081124 Phi: -1.5249
 -0.023950975097284 -0.012562338448241 0.999634202318329 Kappa: -50.7856

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
1	239040.46	4011863.61	12.44	1.710	-45.721	-158.100	0.088	-0.215	-
0.010									
2	239237.09	4011873.33	8.06	28.359	-15.736	-159.523	0.268	-0.042	-
0.007									
4	238783.39	4011690.84	9.92	-9.756	-107.781	-157.533	-0.320	-0.365	-
0.008									
7	239014.31	4011546.31	0.29	44.380	-94.961	-159.742	-0.036	0.622	
0.024									
8	239471.52	4011668.93	1.12	91.666	-10.723	-161.043	0.000	0.000	-
0.000									

EM.= 0.307

Nombre del modelo: D:\cadiz\Barbate\5617-5618.abs
 Fecha: 3/5/2006 16:39

RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240087.218 4011058.097 793.759
5.361685859237728
0.711154275133266 0.703015673420848 -0.005344144862423 Omega: -0.4815
-0.703035984528786 0.711134134502824 -0.005352308152654 Phi: 0.0024
0.000037647311103 0.007563442969408 0.999971396047471 Kappa: 49.6345

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240087.218 4011058.097 793.759
0.711154275133266 -0.703035984528786 0.000037647311103 Omega: 0.3407
0.703015673420848 0.711134134502824 0.007563442969408 Phi: -0.3402
-0.005344144862423 -0.005352308152654 0.999971396047471 Kappa: -49.6336

IMAGEN DERECHA

240387.212 4010741.849 794.408
0.686019832169089 -0.727561127000883 -0.005621062879920 Omega: 0.0745
0.727549617441007 0.686041863339418 -0.004256278565132 Phi: 0.4426
0.006952987281765 -0.001169710640981 0.999975143563517 Kappa: -51.8698

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
12	239785.06	4010932.96	2.29	-23.638	-57.316	-147.185	-0.201	0.073	-
0.005									
13	240286.81	4010852.78	5.37	53.352	-2.149	-147.035	0.047	-0.233	
0.018									
14	240022.38	4010443.50	40.15	71.983	-91.122	-139.869	0.154	0.160	-
0.014									

EM.= 0.276

Nombre del modelo: D:\cadiz\Barbate\5620-5621.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

240388.281 4010741.195 793.791

5.173485645408868

0.685170104828073	0.728337826654006	0.008120204111096	Omega:	0.3106
-0.728352603061074	0.685200848821251	-0.001510757688667	Phi:	-0.4243
-0.006664312721089	-0.004879245797790	0.999965889366432	Kappa:	51.9442

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

240388.281 4010741.195 793.791

0.685170104828073	-0.728352603061074	-0.006664312721089	Omega:	0.0962
0.728337826654006	0.685200848821251	-0.004879245797790	Phi:	0.5170
0.008120204111096	-0.001510757688667	0.999965889366432	Kappa:	-51.9436

IMAGEN DERECHA

240696.291 4010427.216 792.450

0.707543039238247	-0.706574674744120	-0.011622247448119	Omega:	-1.1819
0.705805918447955	0.707395239126852	-0.037815091491397	Phi:	2.2248
0.034940708483707	0.018552753728347	0.999217164694318	Kappa:	-49.9218

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
15	240388.09	4010873.40	4.60	-17.636	18.264	-152.701	-0.079	-0.186	
0.630									
13	240286.81	4010852.78	5.37	-28.086	1.279	-152.562	-0.323	0.026	-
0.108									
14	240022.38	4010443.50	40.15	-5.590	-90.328	-146.098	0.412	0.301	-
0.303									
16	240687.67	4010919.67	0.68	15.558	66.475	-152.791	0.178	0.261	-
0.461									
17	240475.97	4010379.73	49.92	63.429	-34.748	-143.584	-0.187	-0.402	
0.243									

EM.= 0.429

Nombre del modelo: D:\cadiz\Barbate\5621-5622.abs

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RESULTADOS DE LA ORIENTACIÓN ABSOLUTA

241067.436 4010030.361 790.562
5.066388485652113
0.706483404958320 0.707588646588349 -0.014124650005127 Omega: -2.4318
-0.707493790340139 0.705592173407016 -0.039902649747946 Phi: -1.1631
-0.018268419434707 0.038183662030144 0.999103734756970 Kappa: 50.0455

RESULTADOS DE LA ORIENTACIÓN EXTERNA

IMAGEN IZQUIERDA

241067.436 4010030.361 790.562
0.706483404958320 -0.707493790340139 -0.018268419434707 Omega: 2.5412
0.707588646588349 0.705592173407016 0.038183662030144 Phi: -0.8992
-0.014124650005127 -0.039902649747946 0.999103734756970 Kappa: -50.0498

IMAGEN DERECHA

241386.637 4009723.003 784.711
0.708352005047133 -0.705720914363841 -0.013979555614212 Omega: 1.0871
0.705854117183749 0.708284146419680 0.010175125812301 Phi: 0.1732
0.002720698523514 -0.017075097657441 0.999850508245874 Kappa: -49.8876

PUNTO	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-
Ez-									
3	240907.24	4009943.14	2.78	-7.303	-40.501	-154.223	0.098	0.206	
0.031									
8	240891.23	4009817.31	0.00	8.046	-60.195	-153.734	-0.211	-0.105	
0.006									
1	240717.21	4009893.16	5.14	-26.876	-73.943	-152.830	0.113	-0.101	-
0.001									
2	240886.57	4009921.77	2.69	-7.216	-46.321	-154.004	-0.000	-0.000	-
0.037									

EM.= 0.163

Nombre del modelo: D:\cadiz\Barbate\5623-5624.abs
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