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Survey.

SURVEY
symm: Fline: G_2_FULL
super: 1"MAD" Version: 8.23/08 Run: 10/12/13 22.13.14
range: #S/#E

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ELEMENT			SEQUENCE		POSITIONS				ANGLES			
pos. no.	element name	occ. no.	sum(L) [m]	arc [m]	I	x [m]	y [m]	z [m]	I	theta [rad]	phi [rad]	psi [rad]
begin	G_2_FULL	1	0.000000	0.000000		30071.522549	222.107703	30447.030986		2.099481	0.054747	0.000000
begin	ECMAG_VM	1	0.000000	0.000000		30071.522549	222.107703	30447.030986		2.099481	0.054747	0.000000
begin	ECMAG_GV	1	0.000000	0.000000		30071.522549	222.107703	30447.030986		2.099481	0.054747	0.000000
begin	ECMAG_V9	1	0.000000	0.000000		30071.522549	222.107703	30447.030986		2.099481	0.054747	0.000000
	1 ECMAG	1	2.000000	2.000268		30073.243532	222.273712	30446.025670		2.099481	0.111453	0.000000
	2 CDRF_10	1	2.033650	2.033918		30073.272408	222.277454	30446.008802		2.099481	0.111453	0.000000
begin	MW900I	1	2.033650	2.033918		30073.272408	222.277454	30446.008802		2.099481	0.111453	0.000000
	3 DFLAN1	1	2.135250	2.135518		30073.359592	222.288754	30445.957873		2.099481	0.111453	0.000000
	4 MW	1	2.516250	2.516518		30073.686533	222.331130	30445.766890		2.099481	0.111453	0.000000
	5 DFLAN1	2	2.617850	2.618118		30073.773718	222.342430	30445.715961		2.099481	0.111453	0.000000
end	MW900I	1	2.617850	2.618118		30073.773718	222.342430	30445.715961		2.099481	0.111453	0.000000
begin	HT900I	1	2.617850	2.618118		30073.773718	222.342430	30445.715961		2.099481	0.111453	0.000000
	6 DFLAN1	3	2.719450	2.719718		30073.860902	222.353730	30445.665032		2.099481	0.111453	0.000000
	7 HT900	1	3.024250	3.024518		30074.122455	222.387631	30445.512246		2.099481	0.111453	0.000000
	8 DFLAN1	4	3.125850	3.126118		30074.209639	222.398931	30445.461317		2.099481	0.111453	0.000000
end	HT900I	1	3.125850	3.126118		30074.209639	222.398931	30445.461317		2.099481	0.111453	0.000000
	9 DFLAN1	5	3.227450	3.227718		30074.296824	222.410231	30445.410388		2.099481	0.111453	0.000000
	10 QDS206	1	3.641470	3.641738		30074.652100	222.456279	30445.202852		2.099481	0.111453	0.000000
	11 QDS206	2	4.055490	4.055758		30075.007376	222.502327	30444.995317		2.099481	0.111453	0.000000
	12 CDRF_12	1	4.088005	4.088273		30075.035277	222.505944	30444.979019		2.099481	0.111453	0.000000
begin	Q901I	1	4.088005	4.088273		30075.035277	222.505944	30444.979019		2.099481	0.111453	0.000000
	13 DFLAN1	1	4.189605	4.189873		30075.122462	222.517244	30444.928090		2.099481	0.111453	0.000000
	14 DQCOIL	1	4.291205	4.291473		30075.209646	222.528544	30444.877161		2.099481	0.111453	0.000000
	15 Q901	1	4.519805	4.520073		30075.405811	222.553969	30444.762571		2.099481	0.111453	0.000000
	16 MID	1	4.519805	4.520073		30075.405811	222.553969	30444.762571		2.099481	0.111453	0.000000
	17 Q901	2	4.748405	4.748673		30075.601976	222.579395	30444.647981		2.099481	0.111453	0.000000
	18 DQCOIL	2	4.850005	4.850273		30075.689160	222.590695	30444.597052		2.099481	0.111453	0.000000
	19 DFLAN1	2	4.951605	4.951873		30075.776345	222.601995	30444.546123		2.099481	0.111453	0.000000
end	Q901I	1	4.951605	4.951873		30075.776345	222.601995	30444.546123		2.099481	0.111453	0.000000
begin	IC901I	1	4.951605	4.951873		30075.776345	222.601995	30444.546123		2.099481	0.111453	0.000000
	20 DFLAN1	6	5.053205	5.053473		30075.863529	222.613295	30444.495194		2.099481	0.111453	0.000000
	21 IC	1	5.434205	5.434473		30076.190470	222.655671	30444.304211		2.099481	0.111453	0.000000
	22 DFLAN1	7	5.535805	5.536073		30076.277655	222.666971	30444.253282		2.099481	0.111453	0.000000
end	IC901I	1	5.535805	5.536073		30076.277655	222.666971	30444.253282		2.099481	0.111453	0.000000
	23 CDRF_13	1	5.099735	5.100003		30075.903457	222.618470	30444.471870		2.099481	0.111453	0.000000
begin	V901I	1	5.099735	5.100003		30075.903457	222.618470	30444.471870		2.099481	0.111453	0.000000
	24 DFLAN1	3	5.201335	5.201603		30075.990641	222.629770	30444.420941		2.099481	0.111453	0.000000
	25 DCEDWA	1	5.366435	5.366703		30076.132316	222.648133	30444.338182		2.099481	0.111453	0.000000
	26 V901	1	8.414435	8.414703		30078.760090	222.817899	30442.803162		2.099481	0.000000	0.000000
	27 DCEDWA	2	8.579535	8.581381		30078.902649	222.817899	30442.719886		2.099481	0.000000	0.000000
	28 DFLAN1	4	8.681135	8.682981		30078.990378	222.817899	30442.668639		2.099481	0.000000	0.000000
end	V901I	1	8.681135	8.682981		30078.990378	222.817899	30442.668639		2.099481	0.000000	0.000000
	29 CDRF_13A	1	8.719235	8.721081		30079.023276	222.817899	30442.649421		2.099481	0.000000	0.000000
begin	HT901I	1	8.719235	8.721081		30079.023276	222.817899	30442.649421		2.099481	0.000000	0.000000

30	DFLAN1	8	8.820835	8.822681	30079.111005	222.817899	30442.598175	2.099481	0.000000	0.000000
31	HT901	1	9.405035	9.406881	30079.615445	222.817899	30442.303505	2.099481	0.000000	0.000000
32	DFLAN1	9	9.506635	9.508481	30079.703174	222.817899	30442.252258	2.099481	0.000000	0.000000
end	HT901I	1	9.506635	9.508481	30079.703174	222.817899	30442.252258	2.099481	0.000000	0.000000
33	CDRF_14	1	9.119041	9.120887	30079.368497	222.817899	30442.447760	2.099481	0.000000	0.000000
34	DCOILUP	1	9.474641	9.476487	30079.675547	222.817899	30442.268396	2.099481	0.000000	0.000000
35	MBDBUP	1	9.474641	9.476487	30079.675547	222.817899	30442.268396	2.099481	0.000000	0.000000
36	BDB0_2A	1	9.665458	9.667304	30079.840313	222.817899	30442.172148	2.099481	0.000000	0.000000
begin	Q902I	1	9.665458	9.667304	30079.840313	222.817899	30442.172148	2.099481	0.000000	0.000000
37	DFLAN	5	9.767058	9.768904	30079.928042	222.817899	30442.120901	2.099481	0.000000	0.000000
38	DQCOIL	3	9.868658	9.870504	30080.015770	222.817899	30442.069654	2.099481	0.000000	0.000000
39	Q902	1	10.282678	10.284524	30080.373265	222.817899	30441.860823	2.099481	0.000000	0.000000
40	MID	2	10.282678	10.284524	30080.373265	222.817899	30441.860823	2.099481	0.000000	0.000000
41	Q902	2	10.696698	10.698544	30080.730759	222.817899	30441.651992	2.099481	0.000000	0.000000
42	DQCOIL	4	10.798298	10.800144	30080.818487	222.817899	30441.600745	2.099481	0.000000	0.000000
43	DFLAN	6	10.899898	10.901744	30080.906216	222.817899	30441.549499	2.099481	0.000000	0.000000
end	Q902I	1	10.899898	10.901744	30080.906216	222.817899	30441.549499	2.099481	0.000000	0.000000
44	BDB0_2A	2	11.090716	11.092562	30081.070982	222.817899	30441.453251	2.099481	0.000000	0.000000
45	MBDBDWN	1	11.090716	11.092562	30081.070982	222.817899	30441.453251	2.099481	0.000000	0.000000
46	DCOILDWN	1	11.395516	11.397362	30081.334168	222.817899	30441.299510	2.099481	0.000000	0.000000
47	DM1	1	11.895516	11.897362	30081.765903	222.817899	30441.047311	2.099481	0.000000	0.000000
48	CDRF_17	1	11.856212	11.858058	30081.731965	222.817899	30441.067136	2.099481	0.000000	0.000000
begin	Q903I	1	11.856212	11.858058	30081.731965	222.817899	30441.067136	2.099481	0.000000	0.000000
49	DFLAN	7	11.957812	11.959658	30081.819694	222.817899	30441.015889	2.099481	0.000000	0.000000
50	DQCOIL	5	12.059412	12.061258	30081.907423	222.817899	30440.964642	2.099481	0.000000	0.000000
51	Q903	1	12.473432	12.475278	30082.264917	222.817899	30440.755811	2.099481	0.000000	0.000000
52	MID	3	12.473432	12.475278	30082.264917	222.817899	30440.755811	2.099481	0.000000	0.000000
53	Q903	2	12.887452	12.889298	30082.622411	222.817899	30440.546980	2.099481	0.000000	0.000000
54	DQCOIL	6	12.989052	12.990898	30082.710140	222.817899	30440.495733	2.099481	0.000000	0.000000
55	DFLAN	8	13.090652	13.092498	30082.797869	222.817899	30440.444486	2.099481	0.000000	0.000000
end	Q903I	1	13.090652	13.092498	30082.797869	222.817899	30440.444486	2.099481	0.000000	0.000000
56	DM1	2	13.590652	13.592498	30083.229604	222.817899	30440.192287	2.099481	0.000000	0.000000
57	CDRF_18	1	13.551348	13.553194	30083.195666	222.817899	30440.212112	2.099481	0.000000	0.000000
58	DCOILUP	2	13.906948	13.908794	30083.502717	222.817899	30440.032748	2.099481	0.000000	0.000000
59	MBDBUP	2	13.906948	13.908794	30083.502717	222.817899	30440.032748	2.099481	0.000000	0.000000
60	BDB0_2D	1	14.178410	14.180256	30083.737117	222.817899	30439.895823	2.099481	0.000000	0.000000
61	DNEG	1	13.492610	13.494456	30083.144948	222.817899	30440.241739	2.099481	0.000000	0.000000
62	DRSQCH	1	13.475465	13.477311	30083.130144	222.817899	30440.250387	2.099481	0.000000	0.000000
63	DFLAN1	10	13.577065	13.578911	30083.217873	222.817899	30440.199140	2.099481	0.000000	0.000000
begin	MW903I	1	13.577065	13.578911	30083.217873	222.817899	30440.199140	2.099481	0.000000	0.000000
64	DFLAN1	11	13.678665	13.680511	30083.305601	222.817899	30440.147893	2.099481	0.000000	0.000000
65	MW	2	14.059665	14.061511	30083.634584	222.817899	30439.955718	2.099481	0.000000	0.000000
66	DFLAN1	12	14.161265	14.163111	30083.722312	222.817899	30439.904471	2.099481	0.000000	0.000000
end	MW903I	1	14.161265	14.163111	30083.722312	222.817899	30439.904471	2.099481	0.000000	0.000000
begin	Q904I	1	14.161265	14.163111	30083.722312	222.817899	30439.904471	2.099481	0.000000	0.000000
67	DFLAN	9	14.262865	14.264711	30083.810041	222.817899	30439.853224	2.099481	0.000000	0.000000
68	DQCOIL	7	14.364465	14.366311	30083.897770	222.817899	30439.801977	2.099481	0.000000	0.000000
69	Q904	1	14.714985	14.716831	30084.200434	222.817899	30439.625175	2.099481	0.000000	0.000000
70	MID	4	14.714985	14.716831	30084.200434	222.817899	30439.625175	2.099481	0.000000	0.000000
71	Q904	2	15.065505	15.067351	30084.503097	222.817899	30439.448374	2.099481	0.000000	0.000000
72	DQCOIL	8	15.167105	15.168951	30084.590826	222.817899	30439.397127	2.099481	0.000000	0.000000
73	DFLAN	10	15.268705	15.270551	30084.678555	222.817899	30439.345880	2.099481	0.000000	0.000000

end	Q904I	1	15.268705	15.270551	30084.678555	222.817899	30439.345880	2.099481	0.000000	0.000000
74	BDB0_2D	2	15.540168	15.542014	30084.912955	222.817899	30439.208955	2.099481	0.000000	0.000000
75	MBDBDWN	2	15.540168	15.542014	30084.912955	222.817899	30439.208955	2.099481	0.000000	0.000000
76	DCOILDWN	2	15.844968	15.846814	30085.176141	222.817899	30439.055214	2.099481	0.000000	0.000000
77	DM1	3	16.344968	16.346814	30085.607876	222.817899	30438.803015	2.099481	0.000000	0.000000
78	DRSQCH	2	16.327823	16.329669	30085.593072	222.817899	30438.811663	2.099481	0.000000	0.000000
79	CDRF_19	1	18.607366	18.609212	30087.561392	222.817899	30437.661865	2.099481	0.000000	0.000000
80	DM1	4	19.107366	19.109212	30087.993127	222.817899	30437.409666	2.099481	0.000000	0.000000
begin	Q905I	1	19.107366	19.109212	30087.993127	222.817899	30437.409666	2.099481	0.000000	0.000000
81	DFLAN	11	19.208966	19.210812	30088.080856	222.817899	30437.358419	2.099481	0.000000	0.000000
82	DQCOIL	9	19.310566	19.312412	30088.168585	222.817899	30437.307172	2.099481	0.000000	0.000000
83	Q905	1	19.724586	19.726432	30088.526079	222.817899	30437.098341	2.099481	0.000000	0.000000
84	MID	5	19.724586	19.726432	30088.526079	222.817899	30437.098341	2.099481	0.000000	0.000000
85	Q905	2	20.138606	20.140452	30088.883573	222.817899	30436.889510	2.099481	0.000000	0.000000
86	DQCOIL	10	20.240206	20.242052	30088.971302	222.817899	30436.838263	2.099481	0.000000	0.000000
87	DFLAN	12	20.341806	20.343652	30089.059031	222.817899	30436.787017	2.099481	0.000000	0.000000
end	Q905I	1	20.341806	20.343652	30089.059031	222.817899	30436.787017	2.099481	0.000000	0.000000
88	DM1	5	20.841806	20.843652	30089.490766	222.817899	30436.534817	2.099481	0.000000	0.000000
89	CDRF_20	1	20.850214	20.852060	30089.498026	222.817899	30436.530576	2.099481	0.000000	0.000000
90	DFLAN1	13	20.951814	20.953660	30089.585755	222.817899	30436.479330	2.099481	0.000000	0.000000
begin	HT905I	1	20.951814	20.953660	30089.585755	222.817899	30436.479330	2.099481	0.000000	0.000000
91	DFLAN1	14	21.053414	21.055260	30089.673483	222.817899	30436.428083	2.099481	0.000000	0.000000
92	HT905	1	21.637614	21.639460	30090.177923	222.817899	30436.838263	2.099481	0.000000	0.000000
93	DFLAN1	15	21.739214	21.741060	30090.265652	222.817899	30436.082166	2.099481	0.000000	0.000000
end	HT905I	1	21.739214	21.741060	30090.265652	222.817899	30436.082166	2.099481	0.000000	0.000000
94	CDRF_20A	1	21.680921	21.682767	30090.215318	222.817899	30436.111569	2.099481	0.000000	0.000000
begin	V905I	1	21.680921	21.682767	30090.215318	222.817899	30436.111569	2.099481	0.000000	0.000000
95	DFLAN	13	21.782521	21.784367	30090.303046	222.817899	30436.060322	2.099481	0.000000	0.000000
96	DCMDC	1	21.942414	21.944260	30090.441109	222.817899	30435.979673	2.099481	0.000000	0.000000
97	V905	1	23.466414	23.468540	30091.756315	222.868469	30435.211393	2.099481	0.066376	0.000000
98	DCMDC	2	23.626307	23.628433	30091.894074	222.879074	30435.130921	2.099481	0.066376	0.000000
99	DFLAN	14	23.727907	23.730033	30091.981609	222.885813	30435.079787	2.099481	0.066376	0.000000
end	V905I	1	23.727907	23.730033	30091.981609	222.885813	30435.079787	2.099481	0.066376	0.000000
100	DM1	6	24.227907	24.230033	30092.412394	222.918977	30434.828143	2.099481	0.066376	0.000000
101	CDRF_21	1	23.931489	23.933615	30092.157009	222.899316	30434.977327	2.099481	0.066376	0.000000
begin	Q906I	1	23.931489	23.933615	30092.157009	222.899316	30434.977327	2.099481	0.066376	0.000000
102	DFLAN	15	24.033089	24.035215	30092.244545	222.906055	30434.926193	2.099481	0.066376	0.000000
103	DQCOIL	11	24.134689	24.136815	30092.332080	222.912794	30434.875059	2.099481	0.066376	0.000000
104	Q906	1	24.363289	24.365415	30092.529035	222.927956	30434.760007	2.099481	0.066376	0.000000
105	MID	6	24.363289	24.365415	30092.529035	222.927956	30434.760007	2.099481	0.066376	0.000000
106	Q906	2	24.591889	24.594015	30092.725990	222.943119	30434.644955	2.099481	0.066376	0.000000
107	DQCOIL	12	24.693489	24.695615	30092.813525	222.949858	30434.593821	2.099481	0.066376	0.000000
108	DFLAN	16	24.795089	24.797215	30092.901061	222.956597	30434.542687	2.099481	0.066376	0.000000
end	Q906I	1	24.795089	24.797215	30092.901061	222.956597	30434.542687	2.099481	0.066376	0.000000
109	DM1	7	25.295089	25.297215	30093.331846	222.989760	30434.291044	2.099481	0.066376	0.000000
110	CDRF_22	1	25.177114	25.179240	30093.230202	222.981935	30434.350419	2.099481	0.066376	0.000000
111	DFLAN1	16	25.278714	25.280840	30093.317737	222.988674	30434.299285	2.099481	0.066376	0.000000
begin	HT906I	1	25.278714	25.280840	30093.317737	222.988674	30434.299285	2.099481	0.066376	0.000000
112	DFLAN1	17	25.380314	25.382440	30093.405273	222.995413	30434.248151	2.099481	0.066376	0.000000
113	HT906	1	25.964514	25.966640	30093.908602	223.034162	30433.954130	2.099481	0.066376	0.000000
114	DFLAN1	18	26.066114	26.068240	30093.996137	223.040901	30433.902996	2.099481	0.066376	0.000000
end	HT906I	1	26.066114	26.068240	30093.996137	223.040901	30433.902996	2.099481	0.066376	0.000000

115	DFLAN1	19	26.167714	26.169840	30094.083673	223.047640	30433.851862	2.099481	0.066376	0.000000
begin	Q907I	1	26.167714	26.169840	30094.083673	223.047640	30433.851862	2.099481	0.066376	0.000000
116	DFLAN	17	26.269314	26.271440	30094.171208	223.054379	30433.800728	2.099481	0.066376	0.000000
117	DQCOIL	13	26.370914	26.373040	30094.258744	223.061118	30433.749594	2.099481	0.066376	0.000000
118	Q907	1	26.784934	26.787060	30094.615451	223.088579	30433.541223	2.099481	0.066376	0.000000
119	MID	7	26.784934	26.787060	30094.615451	223.088579	30433.541223	2.099481	0.066376	0.000000
120	Q907	2	27.198954	27.201080	30094.972158	223.116040	30433.332852	2.099481	0.066376	0.000000
121	DQCOIL	14	27.300554	27.302680	30095.059693	223.122778	30433.281718	2.099481	0.066376	0.000000
122	DFLAN	18	27.402154	27.404280	30095.147229	223.129517	30433.230584	2.099481	0.066376	0.000000
end	Q907I	1	27.402154	27.404280	30095.147229	223.129517	30433.230584	2.099481	0.066376	0.000000
123	CDRF_23	1	27.807187	27.809313	30095.496193	223.156382	30433.026736	2.099481	0.066376	0.000000
begin	V907I	1	27.807187	27.809313	30095.496193	223.156382	30433.026736	2.099481	0.066376	0.000000
124	DFLAN	19	27.908787	27.910913	30095.583729	223.163121	30432.975602	2.099481	0.066376	0.000000
125	DCMDC	3	28.068680	28.070806	30095.721488	223.173727	30432.895130	2.099481	0.066376	0.000000
126	V907	1	29.592680	29.595360	30097.029015	223.345676	30432.131335	2.099481	0.159761	0.000000
127	DCMDC	4	29.752573	29.755253	30097.165320	223.371112	30432.051712	2.099481	0.159761	0.000000
128	DFLAN	20	29.854173	29.856853	30097.251931	223.387275	30432.001118	2.099481	0.159761	0.000000
end	V907I	1	29.854173	29.856853	30097.251931	223.387275	30432.001118	2.099481	0.159761	0.000000
129	CDRF_23A	1	30.092680	30.095360	30097.455253	223.425217	30431.882348	2.099481	0.159761	0.000000
end	ECMAG_V9	1	30.092680	30.095360	30097.455253	223.425217	30431.882348	2.099481	0.159761	0.000000
130	GVDRF_1	1	35.353580	35.356260	30101.940039	224.262132	30429.262551	2.099481	0.159761	0.000000
begin	V907_GVD	1	35.353580	35.356260	30101.940039	224.262132	30429.262551	2.099481	0.159761	0.000000
131	GVDRF_2	1	35.353580	35.356260	30101.940039	224.262132	30429.262551	2.099481	0.159761	0.000000
132	DRSQAH	1	35.355610	35.358290	30101.941769	224.262455	30429.261540	2.099481	0.159761	0.000000
133	Q001	1	35.584210	35.586890	30102.136645	224.298821	30429.147703	2.099481	0.159761	0.000000
134	Q001	2	35.812810	35.815490	30102.331521	224.335187	30429.033866	2.099481	0.159761	0.000000
135	DRSQAH	2	35.814840	35.817520	30102.333252	224.335510	30429.032855	2.099481	0.159761	0.000000
136	DM1	8	36.314840	36.317520	30102.759489	224.415051	30428.783868	2.099481	0.159761	0.000000
137	GVDRF_3	1	37.255220	37.257900	30103.561140	224.564649	30428.315582	2.099481	0.159761	0.000000
138	DRSQAH	3	37.257250	37.259930	30103.562870	224.564972	30428.314571	2.099481	0.159761	0.000000
139	Q002	1	37.485850	37.488530	30103.757746	224.601338	30428.200734	2.099481	0.159761	0.000000
140	Q002	2	37.714450	37.717130	30103.952622	224.637704	30428.086897	2.099481	0.159761	0.000000
141	DRSQAH	4	37.716480	37.719160	30103.954352	224.638027	30428.085886	2.099481	0.159761	0.000000
142	DM1	9	38.216480	38.219160	30104.380590	224.717568	30427.836899	2.099481	0.159761	0.000000
143	GVDRF_4	1	39.156860	39.159540	30105.182241	224.867165	30427.368613	2.099481	0.159761	0.000000
144	DRSQAH	5	39.158890	39.161570	30105.183971	224.867488	30427.367602	2.099481	0.159761	0.000000
145	Q003	1	39.387490	39.390170	30105.378847	224.903854	30427.253765	2.099481	0.159761	0.000000
146	Q003	2	39.616090	39.618770	30105.573723	224.940221	30427.139928	2.099481	0.159761	0.000000
147	DRSQAH	6	39.618120	39.620800	30105.575453	224.940544	30427.138917	2.099481	0.159761	0.000000
148	DM1	10	40.118120	40.120800	30106.001691	225.020085	30426.889929	2.099481	0.159761	0.000000
149	GVDRF_5	1	40.145700	40.148380	30106.025202	225.024472	30426.876195	2.099481	0.159761	0.000000
150	V001	1	41.669700	41.674002	30107.336936	225.146080	30426.109944	2.099481	0.000000	0.000000
end	V907_GVD	1	41.669700	41.674002	30107.336936	225.146080	30426.109944	2.099481	0.000000	0.000000
end	ECMAG_GV	1	41.669700	41.674002	30107.336936	225.146080	30426.109944	2.099481	0.000000	0.000000
begin	VERTMATIC	1	41.669700	41.674002	30107.336936	225.146080	30426.109944	2.099481	0.000000	0.000000
151	GVHDRF_1	1	41.770166	41.774468	30107.423685	225.146080	30426.059269	2.099481	0.000000	0.000000
152	DM1	11	42.270166	42.274468	30107.855421	225.146080	30425.807069	2.099481	0.000000	0.000000
153	DRSQAH	7	42.272196	42.276498	30107.857174	225.146080	30425.806046	2.099481	0.000000	0.000000
154	Q004	1	42.500796	42.505098	30108.054563	225.146080	30425.690740	2.099481	0.000000	0.000000
155	Q004	2	42.729396	42.733698	30108.251953	225.146080	30425.575435	2.099481	0.000000	0.000000
156	DRSQAH	8	42.731426	42.735728	30108.253706	225.146080	30425.574411	2.099481	0.000000	0.000000
157	DM1	12	43.231426	43.235728	30108.685441	225.146080	30425.322212	2.099481	0.000000	0.000000

158	GVHDRF_2	1	43.980429	43.984731	30109.332184	225.146080	30424.944416	2.099481	0.000000	0.000000
159	DRSQAH	9	43.982459	43.986761	30109.333937	225.146080	30424.943392	2.099481	0.000000	0.000000
160	Q005	1	44.211059	44.215361	30109.531326	225.146080	30424.828086	2.099481	0.000000	0.000000
161	Q005	2	44.439659	44.443961	30109.728716	225.146080	30424.712781	2.099481	0.000000	0.000000
162	DRSQAH	10	44.441689	44.445991	30109.730468	225.146080	30424.711757	2.099481	0.000000	0.000000
163	DM1	13	44.941689	44.945991	30110.162204	225.146080	30424.459558	2.099481	0.000000	0.000000
164	GVHDRF_3	1	45.043618	45.047920	30110.250217	225.146080	30424.408145	2.099481	0.000000	0.000000
165	DRSQAH	11	45.045648	45.049950	30110.251970	225.146080	30424.407121	2.099481	0.000000	0.000000
166	Q006	1	45.274248	45.278550	30110.449359	225.146080	30424.291816	2.099481	0.000000	0.000000
167	Q006	2	45.502848	45.507150	30110.646749	225.146080	30424.176510	2.099481	0.000000	0.000000
168	DRSQAH	12	45.504878	45.509180	30110.648501	225.146080	30424.175486	2.099481	0.000000	0.000000
169	GVHDRF_4	1	45.739136	45.743438	30110.850776	225.146080	30424.057327	2.099481	0.000000	0.000000
170	DM1	14	46.239136	46.243438	30111.282512	225.146080	30423.805128	2.099481	0.000000	0.000000
171	DM1	15	46.739136	46.743438	30111.714247	225.146080	30423.552929	2.099481	0.000000	0.000000
172	GVHDRF_5	1	47.067663	47.071965	30111.997921	225.146080	30423.387220	2.099481	0.000000	0.000000
end	VERTMATC	1	47.067663	47.071965	30111.997921	225.146080	30423.387220	2.099481	0.000000	0.000000
end	ECMAG_VM	1	47.067663	47.071965	30111.997921	225.146080	30423.387220	2.099481	0.000000	0.000000
begin	G_2_PART	1	47.067663	47.071965	30111.997921	225.146080	30423.387220	2.099481	0.000000	0.000000
begin	GHBEND	1	47.067663	47.071965	30111.997921	225.146080	30423.387220	2.099481	0.000000	0.000000
173	DM1	16	47.567663	47.571965	30112.429657	225.146080	30423.135021	2.099481	0.000000	0.000000
174	H006	1	49.091663	49.097482	30113.682341	225.146080	30422.267058	2.253977	0.000000	0.000000
175	DM1C	1	49.574518	49.580337	30114.056828	225.146080	30421.962250	2.253977	0.000000	0.000000
176	Q007	1	49.925038	49.930857	30114.328680	225.146080	30421.740979	2.253977	0.000000	0.000000
177	Q007	2	50.275558	50.281377	30114.600532	225.146080	30421.519709	2.253977	0.000000	0.000000
178	DM1CC	1	50.741268	50.747087	30114.961723	225.146080	30421.225723	2.253977	0.000000	0.000000
179	GHDRF_1	1	50.741268	50.747087	30114.961723	225.146080	30421.225723	2.253977	0.000000	0.000000
180	Q008	1	51.091788	51.097607	30115.233575	225.146080	30421.004453	2.253977	0.000000	0.000000
181	Q008	2	51.442308	51.448127	30115.505427	225.146080	30420.783183	2.253977	0.000000	0.000000
182	DM1CC	2	51.908018	51.913837	30115.866617	225.146080	30420.489197	2.253977	0.000000	0.000000
183	Q009	1	52.258538	52.264357	30116.138470	225.146080	30420.267927	2.253977	0.000000	0.000000
184	Q009	2	52.609058	52.614877	30116.410322	225.146080	30420.046656	2.253977	0.000000	0.000000
185	DM1C	2	53.091913	53.097732	30116.784809	225.146080	30419.741848	2.253977	0.000000	0.000000
186	H009	1	54.615913	54.623249	30117.889009	225.146080	30418.691457	2.408473	0.000000	0.000000
187	MIDH	1	54.615913	54.623249	30117.889009	225.146080	30418.691457	2.408473	0.000000	0.000000
188	DM1C	3	55.098768	55.106104	30118.212131	225.146080	30418.332652	2.408473	0.000000	0.000000
189	Q010	1	55.449288	55.456624	30118.446696	225.146080	30418.072184	2.408473	0.000000	0.000000
190	Q010	2	55.799808	55.807144	30118.681260	225.146080	30417.811716	2.408473	0.000000	0.000000
191	DM1CC	3	56.265518	56.272854	30118.992909	225.146080	30417.465652	2.408473	0.000000	0.000000
192	Q011	1	56.616038	56.623374	30119.227474	225.146080	30417.205183	2.408473	0.000000	0.000000
193	Q011	2	56.966558	56.973894	30119.462039	225.146080	30416.944715	2.408473	0.000000	0.000000
194	GHDRF_1	2	56.966558	56.973894	30119.462039	225.146080	30416.944715	2.408473	0.000000	0.000000
195	DM1CC	4	57.432268	57.439604	30119.773688	225.146080	30416.598651	2.408473	0.000000	0.000000
196	Q012	1	57.782788	57.790124	30120.008252	225.146080	30416.338183	2.408473	0.000000	0.000000
197	Q012	2	58.133308	58.140644	30120.242817	225.146080	30416.077714	2.408473	0.000000	0.000000
198	DM1C	4	58.616163	58.623499	30120.565939	225.146080	30415.718909	2.408473	0.000000	0.000000
199	H012	1	60.140163	60.149015	30121.495351	225.146080	30414.511114	2.562969	0.000000	0.000000
200	DM1	17	60.640163	60.649015	30121.768787	225.146080	30414.092506	2.562969	0.000000	0.000000
end	GHBEND	1	60.640163	60.649015	30121.768787	225.146080	30414.092506	2.562969	0.000000	0.000000
begin	GHFOMATC	1	60.640163	60.649015	30121.768787	225.146080	30414.092506	2.562969	0.000000	0.000000
201	Q013	1	60.990683	60.999535	30121.960476	225.146080	30413.799045	2.562969	0.000000	0.000000
202	Q013	2	61.341203	61.350055	30122.152166	225.146080	30413.505583	2.562969	0.000000	0.000000
203	GHFODRF	1	63.339828	63.348680	30123.245158	225.146080	30411.832302	2.562969	0.000000	0.000000

204	Q014	1	63.690348	63.699200	30123.436847	225.146080	30411.538841	2.562969	0.000000	0.000000
205	Q014	2	64.040868	64.049720	30123.628537	225.146080	30411.245380	2.562969	0.000000	0.000000
206	GHFODRF_	1	68.478984	68.487836	30126.055618	225.146080	30407.529717	2.562969	0.000000	0.000000
207	Q015	1	68.829504	68.838356	30126.247307	225.146080	30407.236256	2.562969	0.000000	0.000000
208	Q015	2	69.180024	69.188876	30126.438997	225.146080	30406.942795	2.562969	0.000000	0.000000
209	GHFODRF_	1	70.787375	70.796227	30127.318012	225.146080	30405.597094	2.562969	0.000000	0.000000
210	Q016	1	71.137895	71.146747	30127.509701	225.146080	30405.303633	2.562969	0.000000	0.000000
211	Q016	2	71.488415	71.497267	30127.701391	225.146080	30405.010172	2.562969	0.000000	0.000000
212	GHFODRF_	1	78.288717	78.297569	30131.420285	225.146080	30399.316849	2.562969	0.000000	0.000000
213	Q017	1	78.639237	78.648089	30131.611975	225.146080	30399.023388	2.562969	0.000000	0.000000
214	Q017	2	78.989757	78.998609	30131.803664	225.146080	30398.729927	2.562969	0.000000	0.000000
end	GHFOMATC	1	78.989757	78.998609	30131.803664	225.146080	30398.729927	2.562969	0.000000	0.000000
begin	G_2_FODO	1	78.989757	78.998609	30131.803664	225.146080	30398.729927	2.562969	0.000000	0.000000
begin	G_2_FODO	1	78.989757	78.998609	30131.803664	225.146080	30398.729927	2.562969	0.000000	0.000000
215	GFODRF_1	1	84.429033	84.437885	30134.778251	225.146080	30394.176076	2.562969	0.000000	0.000000
216	Q018	1	84.779553	84.788405	30134.969941	225.146080	30393.882615	2.562969	0.000000	0.000000
217	Q018	2	85.130073	85.138925	30135.161630	225.146080	30393.589154	2.562969	0.000000	0.000000
218	GFODRF_2	1	90.569349	90.578201	30138.136217	225.146080	30389.035304	2.562969	0.000000	0.000000
219	Q019	1	90.919869	90.928721	30138.327907	225.146080	30388.741843	2.562969	0.000000	0.000000
220	Q019	2	91.270389	91.279241	30138.519596	225.146080	30388.448382	2.562969	0.000000	0.000000
end	G_2_FODO	1	91.270389	91.279241	30138.519596	225.146080	30388.448382	2.562969	0.000000	0.000000
begin	G_2_FODO	1	91.270389	91.279241	30138.519596	225.146080	30388.448382	2.562969	0.000000	0.000000
221	GFODRF_1	2	96.709665	96.718517	30141.494184	225.146080	30383.894531	2.562969	0.000000	0.000000
222	Q020	1	97.060185	97.069037	30141.685873	225.146080	30383.601070	2.562969	0.000000	0.000000
223	Q020	2	97.410705	97.419557	30141.877563	225.146080	30383.307609	2.562969	0.000000	0.000000
224	GFODRF_2	2	102.849980	102.858832	30144.852150	225.146080	30378.753759	2.562969	0.000000	0.000000
225	Q021	1	103.200500	103.209352	30145.043839	225.146080	30378.460298	2.562969	0.000000	0.000000
226	Q021	2	103.551020	103.559872	30145.235529	225.146080	30378.166837	2.562969	0.000000	0.000000
end	G_2_FODO	1	103.551020	103.559872	30145.235529	225.146080	30378.166837	2.562969	0.000000	0.000000
begin	G_2_FODO	1	103.551020	103.559872	30145.235529	225.146080	30378.166837	2.562969	0.000000	0.000000
227	GFODRF_1	3	108.990296	108.999148	30148.210116	225.146080	30373.612987	2.562969	0.000000	0.000000
228	Q022	1	109.340816	109.349668	30148.401805	225.146080	30373.319526	2.562969	0.000000	0.000000
229	Q022	2	109.691336	109.700188	30148.593495	225.146080	30373.026064	2.562969	0.000000	0.000000
230	GFODRF_2	3	115.130612	115.139464	30151.568082	225.146080	30368.472214	2.562969	0.000000	0.000000
end	G_2_FODO	1	115.130612	115.139464	30151.568082	225.146080	30368.472214	2.562969	0.000000	0.000000
end	G_2_FODO	1	115.130612	115.139464	30151.568082	225.146080	30368.472214	2.562969	0.000000	0.000000
begin	G_2_FF	1	115.130612	115.139464	30151.568082	225.146080	30368.472214	2.562969	0.000000	0.000000
231	Q023	1	115.481132	115.489984	30151.759772	225.146080	30368.178753	2.562969	0.000000	0.000000
232	Q023	2	115.831652	115.840504	30151.951461	225.146080	30367.885292	2.562969	0.000000	0.000000
233	GFFDRF_1	1	119.791377	119.800229	30154.116923	225.146080	30364.570146	2.562969	0.000000	0.000000
234	Q024	1	120.141897	120.150749	30154.308613	225.146080	30364.276685	2.562969	0.000000	0.000000
235	Q024	2	120.492417	120.501269	30154.500302	225.146080	30363.983224	2.562969	0.000000	0.000000
236	GFFDRF_2	1	120.963693	120.972545	30154.758030	225.146080	30363.588664	2.562969	0.000000	0.000000
237	Q025	1	121.314213	121.323065	30154.949720	225.146080	30363.295203	2.562969	0.000000	0.000000
238	Q025	2	121.664733	121.673585	30155.141409	225.146080	30363.001741	2.562969	0.000000	0.000000
239	GFFDRF_3	1	124.261106	124.269958	30156.561293	225.146080	30360.828016	2.562969	0.000000	0.000000
240	Q026	1	124.611626	124.620478	30156.752982	225.146080	30360.534555	2.562969	0.000000	0.000000
241	Q026	2	124.962146	124.970998	30156.944672	225.146080	30360.241094	2.562969	0.000000	0.000000
242	GFFDRF_4	1	126.926833	126.935685	30158.019104	225.146080	30358.596226	2.562969	0.000000	0.000000
243	Q027	1	127.277353	127.286205	30158.210793	225.146080	30358.302765	2.562969	0.000000	0.000000
244	Q027	2	127.627873	127.636725	30158.402483	225.146080	30358.009303	2.562969	0.000000	0.000000
245	DQFFT	1	127.927873	127.936725	30158.566545	225.146080	30357.758139	2.562969	0.000000	0.000000

246	DIRON	1	129.827873	129.836725	30159.605601	225.146080	30356.167428	2.562969	0.000000	0.000000
247	DFRINGE	1	130.027873	130.036725	30159.714976	225.146080	30355.999984	2.562969	0.000000	0.000000
248	HFRINGE	1	130.027873	130.036725	30159.714976	225.146080	30355.999984	2.541025	0.000000	0.000000
249	DINJ	1	132.366371	132.375223	30161.036486	225.146079	30354.070688	2.541025	0.000000	0.000000
end	G_2_FF	1	132.366371	132.375223	30161.036486	225.146079	30354.070688	2.541025	0.000000	0.000000
end	G_2_PART	1	132.366371	132.375223	30161.036486	225.146079	30354.070688	2.541025	0.000000	0.000000
end	G_2_FULL	1	132.366371	132.375223	30161.036486	225.146079	30354.070688	2.541025	0.000000	0.000000

total length =	132.366371	arc length =	132.375223							
error(x) =	0.895139E+02	error(y) =	0.303838E+01	error(z) =	-0.929603E+02					
error(theta) =	0.441544E+00	error(phi) =	-0.547470E-01	error(psi) =	0.427336E-08					
