漢翔航空工業股份有限公司/工程處/材料製程組

AIDC/M&P

膠合強度試驗報告

BONDING STRENGTH TEST REPORT

地址:台中市西屯區福星北路 68 巷 111 號之 16-R50
Adr.: 111-16-R50, Lane 68, Fu-Hsing N. Road Taichung, Taiwan, 407 R.O.C.
TEL: 886-4-27070001 Ext: 502789 FAX: 886-4-22842866

報告編號(Report No.): 96B11062

計劃名稱: (Project) AMS	參考編號: (Reference No.) 96B11023
測試目的: (Test For) TEST COUPON	供應/製造單位: (Manufacture) AIDC
材料/件名: (Material/Part) TRACKER	試驗種類: (Kind of test) LAP SHEAR
料(件)號: (Part/Stock No.) 25-AMS-000.00.00	測試規範: (Test spec.) ASTM D1002
工單號碼: (OSM No.) 20872275	申請人: (Applicant) 李寶堂
編號: (Roll/Series No.) N/A	申請日期: (Apply Date) JULY/04/2007

特殊說明及要求: (Description &Requirement)
1. REQUIREMENT: 37 N/mm²(IND. MIN.)
2. SPEED: 1200 PSI/Min.

項次 No.	Width (mm)	Length (mm)	Load (N)	Strenth (N/mm²)		Failure Type Adh - Coh
L1	25.13	13.34	12016	35.8		10 - 90
L2	25.08	13.33	13373	40.0		20 - 80
L3	25.04	13.51	13991	41.4		〃
L4	24.82	13.62	13503	39.9		〃
L5	24.70	13.77	13511	39.7		〃

平均值(Average): 39.4 N/mm² S.D.= 2.1 N/mm²

試驗者: [signature] (Tested By) 日期: Nov/09/2007 (Date) 核定者: [signature] (Approved By)

· 本報告除非書面經 AIDC 材料實驗室之同意發份複製外，不得任意予以複製之。
This report shall not be re-produced except in full without the written approval of AIDC Material Lab.
· 本報告之試驗結果僅適用於送驗試樣。
The results in this report relate only to the items tested.
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漢翔航空工業股份有限公司/工程處/材料製程組

AIDC/M&P

膠合強度試驗報告

BONDING STRENGTH TEST REPORT

地址:台中市西屯區福星北路 68 巷 111 號之 16-R50
Adr.: 111-16-R50, Lane 68, Fu-Hsing N. Road Taichung, Taiwan, 407 R.O.C.
TEL: 886-4-27070001 Ext: 502789 FAX: 886-4-22842866

報告編號(Report No.): 96B11057

計劃名稱: (Project) AMS	參考編號: (Reference No.) 96B11014
測試目的: (Test For) TEST COUPON	供應/製造單位: (Manufacture) AIDC
材料/件名: (Material/Part) TRACKER	試驗種類: (Kind of test) CLIMBING DRUM PEEL
料(件)號: (Part/Stock No.) 25-AMS-000.00.00	測試規範: (Test spec.) ASTM D1781
工單號碼: (OSM No.) 20672275	申請人: (Applicant) 李寶堂
捲號: (Roll/Series No.) N/A	申請日期: (Apply Date) NOV./08/2007
特殊說明及要求: (Description &Requirement) 1. REQUIREMENT: 5.5N/mm/mm(IND. MIN.) 2. SPEED: 25.4 mm/Min.	

項次 No.	Width (mm)	Fr (N)	F0 (N)	Ro-Ri (mm)	Cp (Nmm/mm)	Failure Type Adh-Coh-Core
CD1	75.77	160	131	11.8	4.5	0-0-100
CD2	74.65	164	127	11.8	5.8	〃
CD3	75.47	164	128	11.8	5.6	〃
CD4	73.21	165	108	11.8	9.2	〃
CD5	76.12	166	132	11.8	5.3	〃

平均值(Average): 6.1 N/mm/mm S.D.= 1.81 N/mm/mm

試驗者: 王志文 (Tested By) 日期: Nov/09/2007 (Date) 核定者: 黃壬益 (Approved By)

・本報告除非書面經AIDC材料實驗室之同意整份複製外，不得任意予以複製之。
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超音波檢驗報告
ULTRASONIC INSPECTION REPORT

報告編號(Report No.): UT9611-043

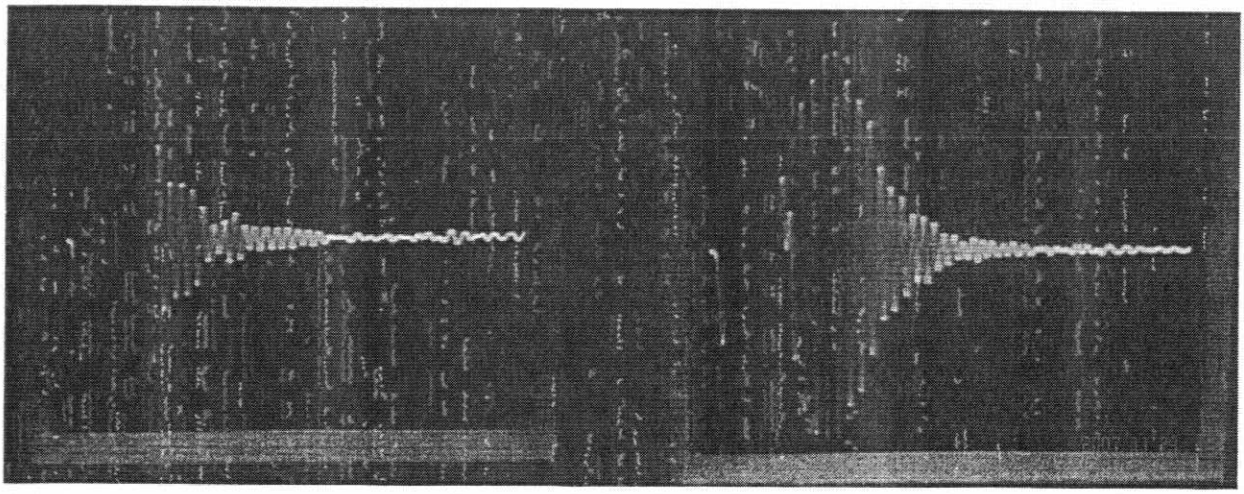
送檢單位 Applicant	5A4	飛機型別 Craft Type	AMS	工作令號 Order No.	20672275
零件名稱 Part Name	TRCKER RADIATOR ASSY	零件號碼 Part No.	25-AMS-000.00.00	材質及厚度 Material/Thk.	SKIN TO ROHACELL BONDING
製造批號 Batch No.	N/A	數 量 Quantity	1 EA	等級 N.D.T. Grade	PRC-6501
檢驗規範 Specification	PRC-6501			檢驗日期 Insp. Date	11 / 29 / 2007

檢測條件
Examination Conditions

檢驗設備 Eguipent	USIP-12	探頭 Transducer	5 MHZ, 0.25"
掃描方式 Technique	CONTACT PULSE ECHO, A-SCAN	耦合劑 Couplant	EXOSEN 30
參考規塊 Reference Block	AMS-01	表面需求 Surface Finish	PRC-6501

說明/圖示(Description/Sketch):

1. The signal of de-bond (produced by Artificial Defect shown in reference stand AMS-01) and good bond are shown as the following pictures, respectively. Where Instrument is calibrated with reference stand AMS-01 see attachment in the next page.



Good bond signal De-bond signal

判定結果(Judgement):

ACCEPT.

檢驗者 Performed by	AIDC 006214C	UT Level: II	核定者 Approved by	

08/2004

FRM-IR-232

頁次(sheet no.): 1 of 2

漢翔航空工業股份有限公司 Aerospace Industrial Development Corporation
台中市西屯區福星北路 68 巷 111 號之 18 TEL:011-886-4-27070001 EXT 503434 FAX:011-886-4-2562207
NO.111-18, LANE 68, FU-HSING NORTH ROAD, TAICHUNG, TAIWAN, 40722 R.O.C.

AIDC\ACF\QA

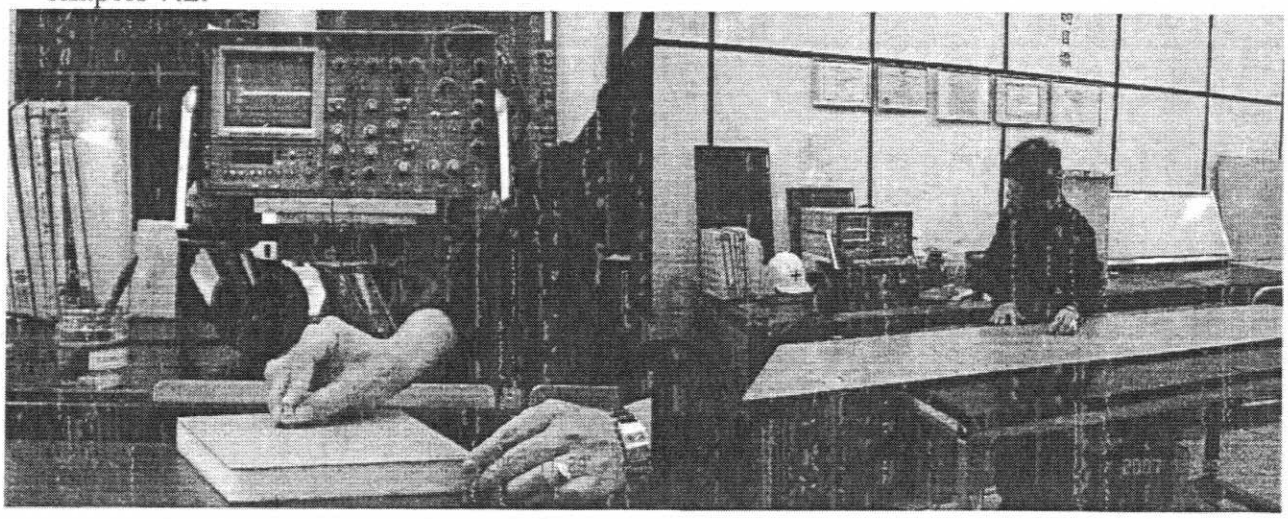
超音波檢驗報告
ULTRASONIC INSPECTION REPORT

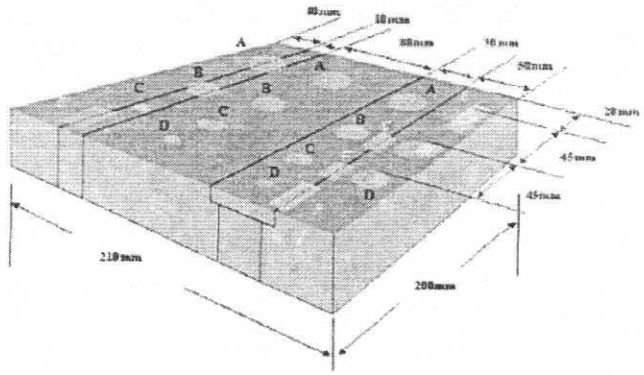
報告編號(Report No.): UT9611-043

送檢單位 Applicant	5A4	飛機型別 Craft Type	AMS	工作令號 Order No.	20672275
零件名稱 Part Name	TRCKER RADIATOR ASSY	零件號碼 Part No.	25-AMS-000.00.00	材質及厚度 Material/Thk.	SKIN TO ROHACELL BONDING
製造批號 Batch No.	N/A	數 量 Quantity	1 EA	等級 N.D.T. Grade	PRC-6501
檢驗規範 Specification	PRC-6501			檢驗日期 Insp. Date	11 / 29 / 2007

說明/圖示(Description/Sketch):

2. The outer and inner skin are scanned and meet the requirement of PRC-6501 Rev. c chapter 7.2.





Artificial Defect Dimension

A: φ20mm
B: φ15mm
C: φ10mm
D: φ5mm
E: 20mm*15mm
F : 15mm*10mm
G: 10mm*5mm

Reference stand AMS-01

判定結果(Judgement):

ACCEPT.

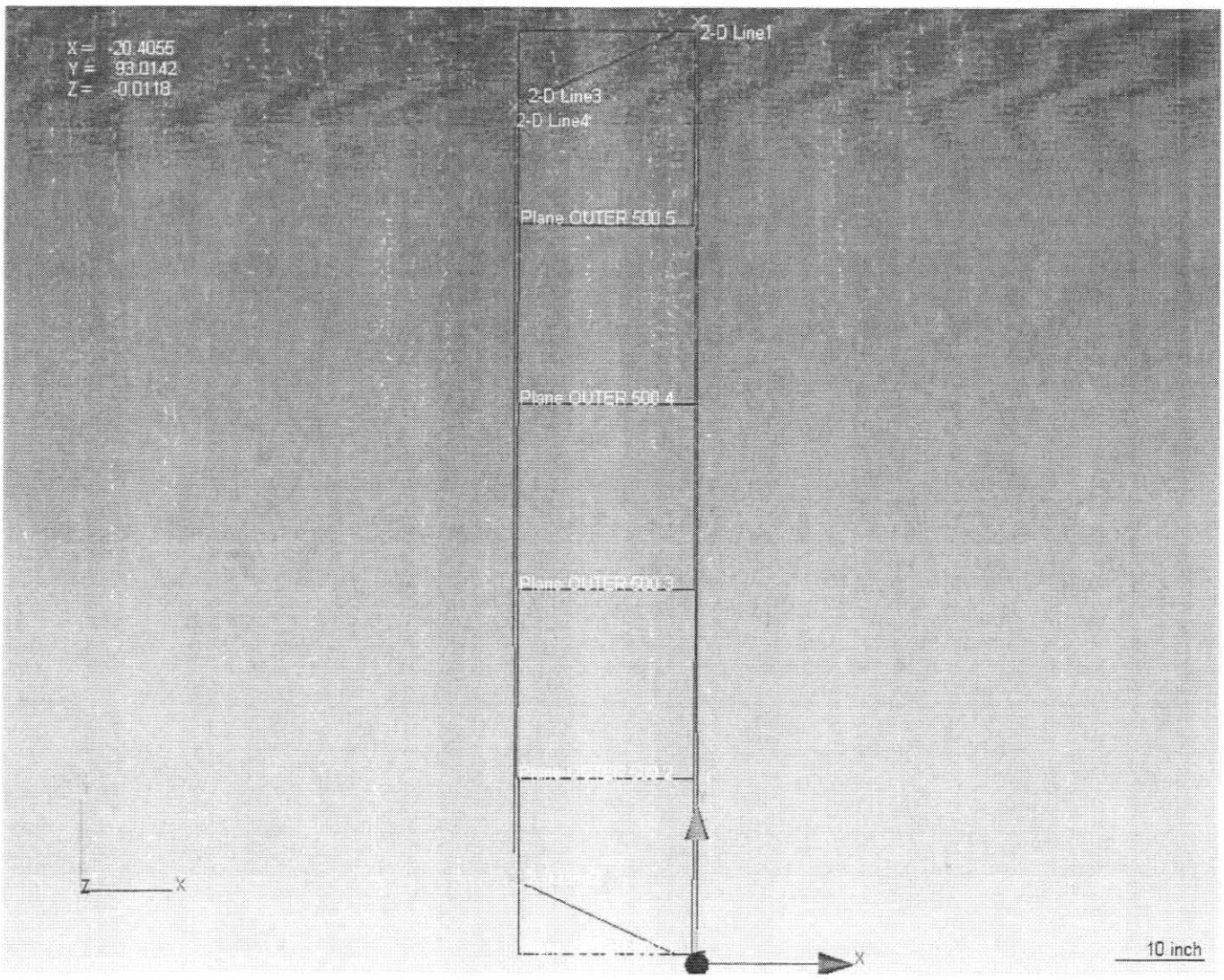
檢驗者 Performed by		UT Level: II	核定者 Approved by	

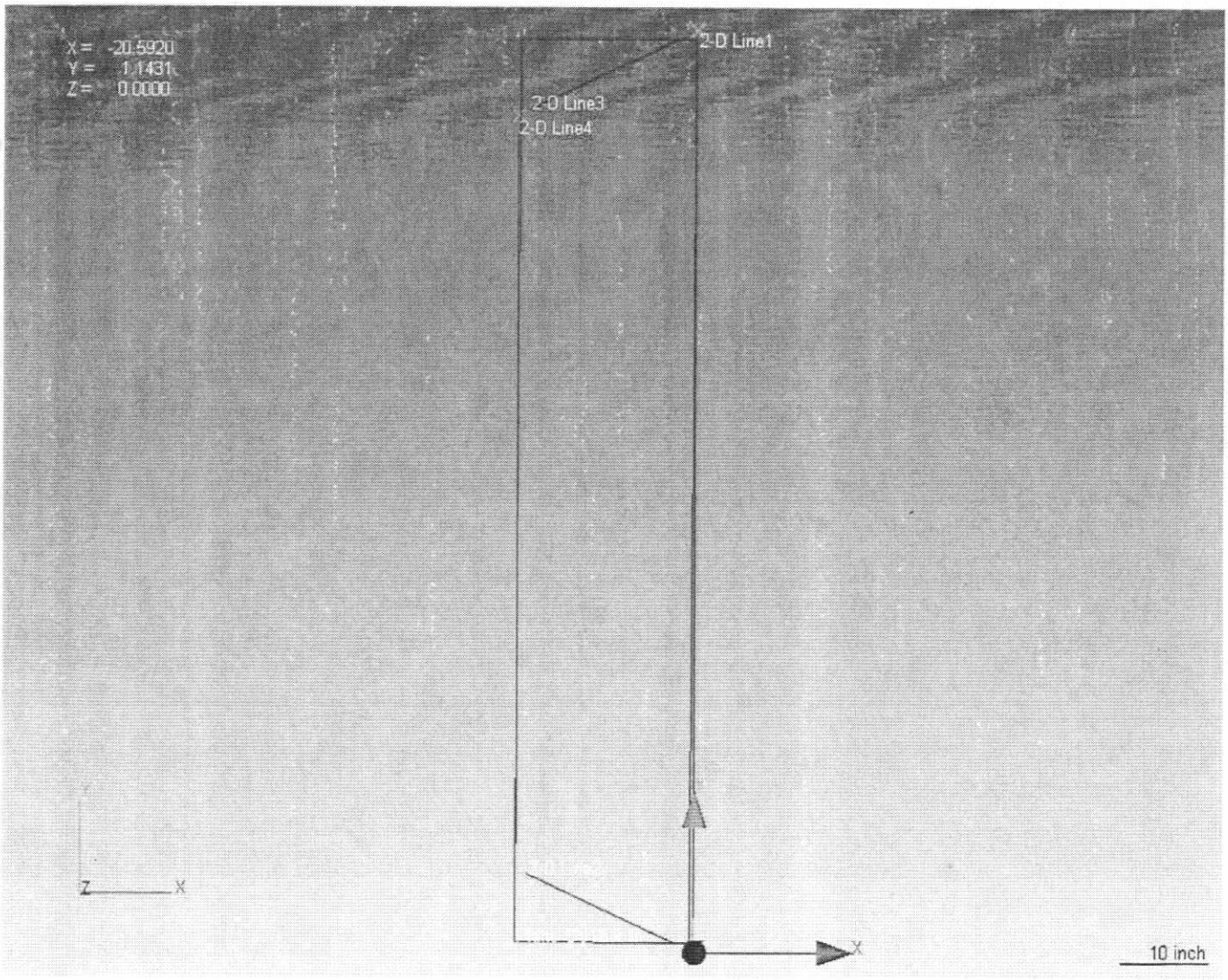
08/2004

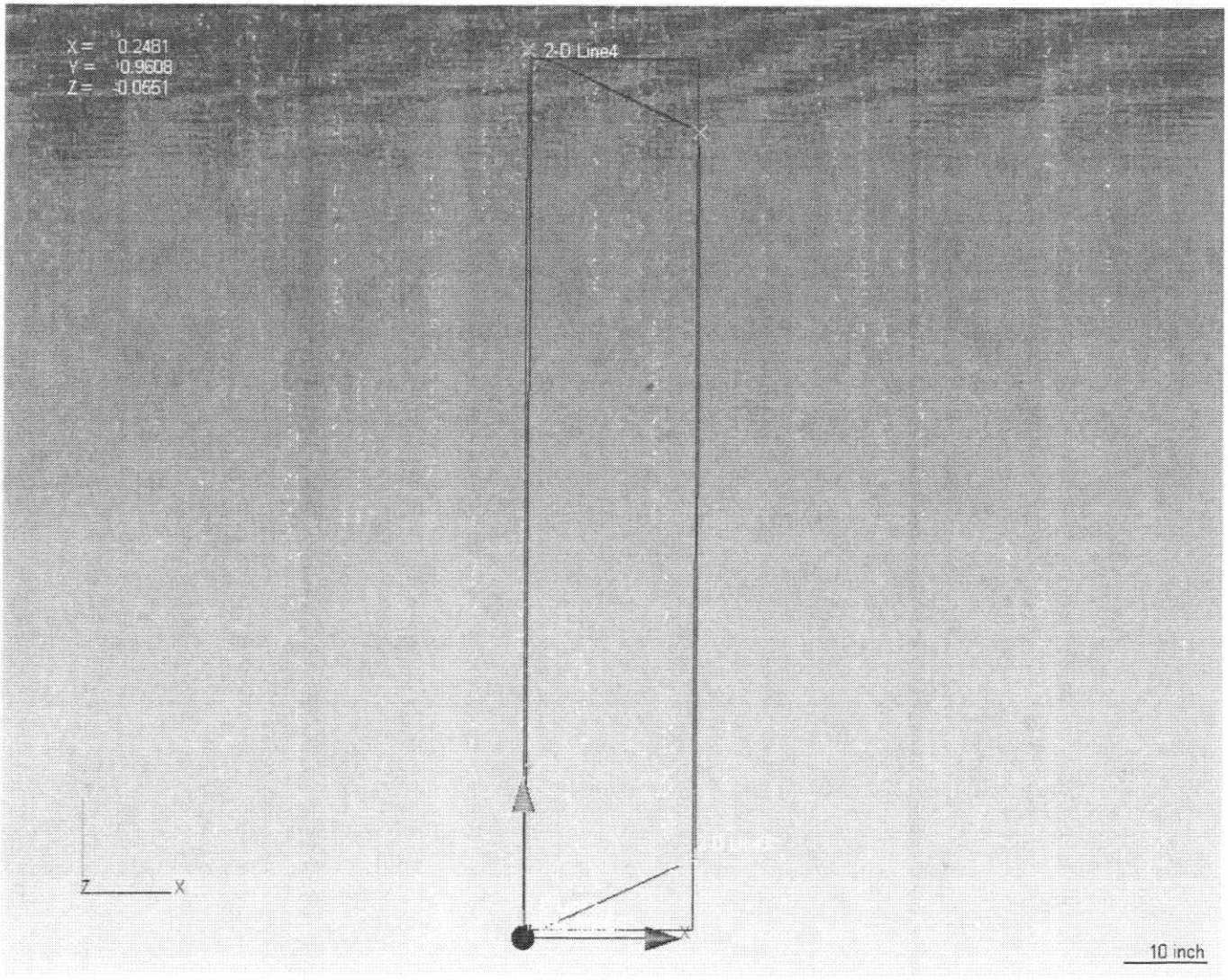
FRM-IR-232

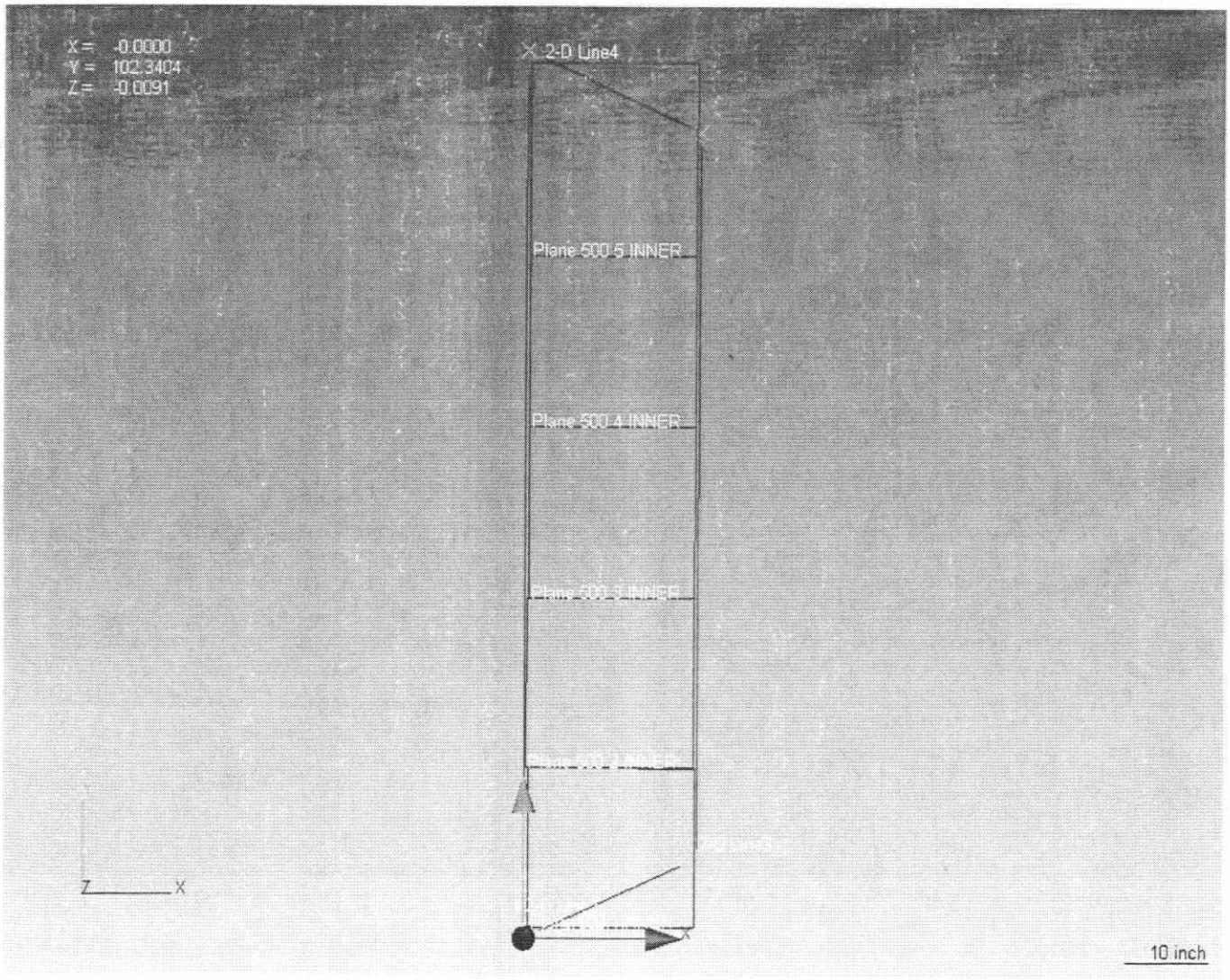
頁次(sheet no.): 2 of 2

漢翔航空工業股份有限公司 Aerospace Industrial Development Corporation
台中市西屯區福星北路 68 巷 111 號之 18 TEL:011-886-4-27070001 EXT 503434 FAX:011-886-4-2562207
NO.111-18, LANE 68,FU-HSING NORTH ROAD,TAICHUNG, TAIWAN, 40722 R.O.C.


X = -20.4055
Y = 93.0142
Z = -0.0118
2-D Line1
2-D Line3
2-D Line4
Plane OUTER 500.5
Plane OUTER 500.4
Plane OUTER 500.3
Z
X
X
10 inch


X = -20.5920
Y = 1.1431
Z = 0.0000
2-D Line1
2-D Line3
2-D Line4
Z
X
X
10 inch


X = 0.2481
Y = 0.9608
Z = -0.0551
2-D Line4
Z
X
10 inch


X = -0.0000
Y = 102.3404
Z = -0.0091
2-D Line4
Plane 500.5 INNER
Plane 500.4 INNER
Plane 500.3 INNER
Plane 500.2 INNER
Z
X
10 inch

C A R L Z E I S S / C A L Y P S O 4.4.04.01 Compact printout

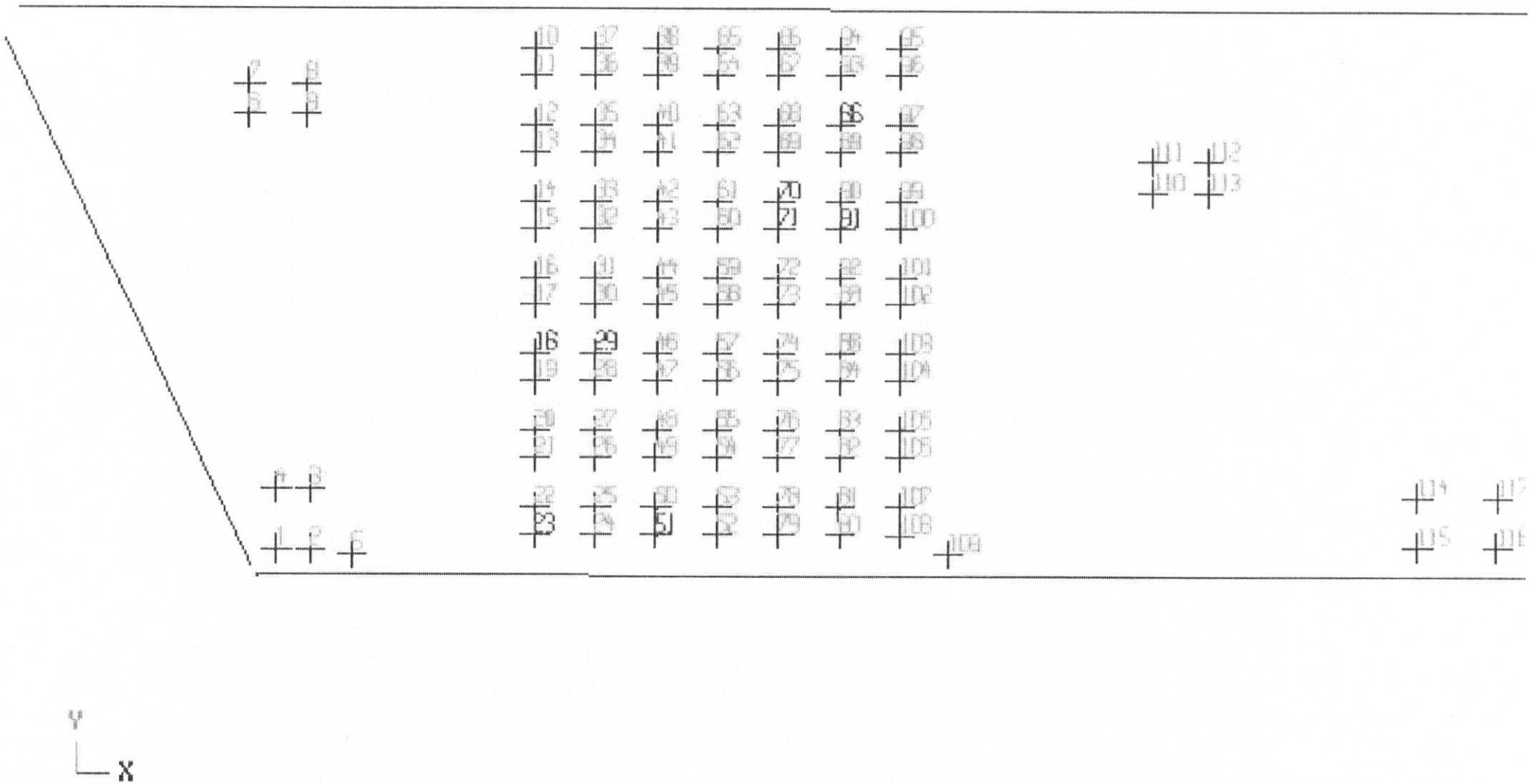
Measurement Plan	Operator	Date	Incremental Part Number
25-AMS-000.00.00 agglutinaMaster MMZ_G		November 13, 2007	20672275

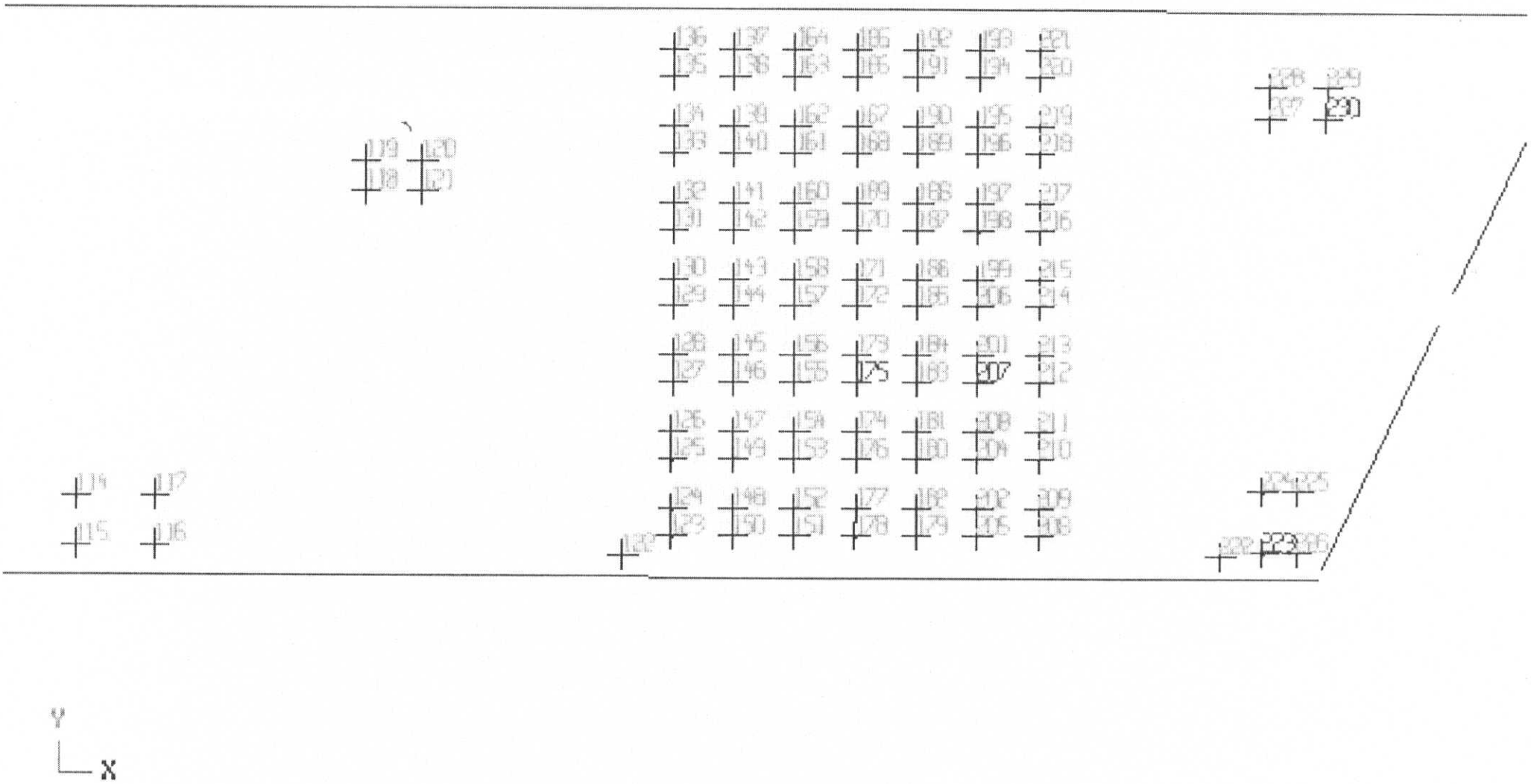
Names	Description	Actual	Nominal	Utol	Ltol	Dev.	Histogr.
Flatness INNER	GDT Flat			1.500		0.485	|--
Flatness500 1	GDT Flat			0.500		0.131	|--
Flatness500 2	GDT Flat			0.500		0.145	|--
Flatness500 3	GDT Flat			0.500		0.186	|--
Flatness500 4	GDT Flat			0.500		0.172	|--
Flatness500 5	GDT Flat			0.500		0.233	|--
Parallelism1	GDT Par			2.000		0.174	|-

C A R L Z E I S S / C A L Y P S O 4.4.04.01 Compact printout

Measurement Plan	Operator	Date	Incremental Part Number
25-AMS-000.00.00 plan MMZ_G	Master	November 12, 2007	20672275

Names	Description	Actual	Nominal	Utol	Ltol	Dev.	Histogr.
Flatness outer 1	GDT Flat			2.000		0.499	|-
Flatness outer 500 1	GDT Flat			0.500		0.219	|--
Flatness outer 500 2	GDT Flat			0.500		0.140	|--
Flatness outer 500 3	GDT Flat			0.500		0.228	|--
Flatness outer 500 4	GDT Flat			0.500		0.295	|---
Flatness outer 500 5	GDT Flat			0.500		0.366	|---


Y
X


Y
X

Probe Radius : 0.7500
Upper Tolerance : 0.1000
Lower Tolerance : -0.1000
Geometry File : G:\MC7\25-AMS-000-00.MC7
Report File : G:\ASCII\25-AMS-000-00_EOP.PRN

	X	Y	Z	3D
Point 1				
ACTUAL :	-1300.40192	518.82263	14.81000	
NOMINAL :	-1300.00000	518.59998	14.81000	
DEVIATION :	-0.40192	0.22265	0.00000	-0.45947
Point 2				
ACTUAL :	-1063.57297	0.48479	14.81000	
NOMINAL :	-1063.54004	0.42800	14.81000	
DEVIATION :	-0.03293	0.05679	0.00000	-0.06565
Point 3				
ACTUAL :	1063.60327	0.37737	14.81000	
NOMINAL :	1063.60327	0.39099	14.81000	
DEVIATION :	-0.00000	-0.01361	-0.00000	0.01361
Point 4				
ACTUAL :	1299.58529	518.54351	14.81000	
NOMINAL :	1299.47400	518.59998	14.81000	
DEVIATION :	0.11129	-0.05646	0.00000	0.12479

---------- REPORT SUMMARY ----------

neg	nom	pos	total
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In Tolerance	:	1	0	1	2	50.0%
Out of Tolerance	:	1	-	1	2	50.0%
		---	---	---	---	---
Total points	:	2	0	2	4	100.0%

Range	:	0.58426	Mean	:	0.05506
Upper Range	:	0.12479	Avg Err	:	-0.09668
Lower Range	:	-0.45947	StdDev	:	0.22011

Probe Radius : 0.0000
Upper Tolerance : 0.1000
Lower Tolerance : -0.1000
Geometry File : G:\MC7\25-AMS-000-00.MC7
Report File : G:\ASCII\25-AMS-000-00.PRN

	X	Y	Z	3D
Point 1				
ACTUAL :	-1045.51536	24.01525	14.81000	
NOMINAL :	-1045.50000	24.00000	14.81000	
DEVIATION :	-0.01536	0.01525	-0.00000	0.02165
Point 2				
ACTUAL :	-1015.48935	24.06431	14.81000	
NOMINAL :	-1015.50000	24.00000	14.81000	
DEVIATION :	0.01065	0.06431	-0.00000	0.06518
Point 3				
ACTUAL :	-1015.48397	79.00431	14.81000	
NOMINAL :	-1015.50000	79.00000	14.81000	
DEVIATION :	0.01603	0.00431	0.00000	0.01660
Point 4				
ACTUAL :	-1045.49996	79.01525	14.81000	
NOMINAL :	-1045.50000	79.00000	14.81000	
DEVIATION :	0.00004	0.01525	0.00000	0.01525
Point 5				
ACTUAL :	-978.51275	20.06568	14.81000	
NOMINAL :	-978.50000	20.00000	14.81000	
DEVIATION :	-0.01275	0.06568	-0.00000	0.06691

Point 6

ACTUAL :	-1070.43942	421.04070	14.81000	
NOMINAL :	-1070.50000	421.00000	14.81000	
DEVIATION :	0.06058	0.04070	0.00000	0.07299

Point 7

ACTUAL :	-1070.42568	448.97770	14.81000	
NOMINAL :	-1070.50000	449.00000	14.81000	
DEVIATION :	0.07432	-0.02230	0.00000	0.07760

Point 8

ACTUAL :	-1020.50067	448.99480	14.81000	
NOMINAL :	-1020.50000	449.00000	14.81000	
DEVIATION :	-0.00067	-0.00520	0.00000	0.00524

Point 9

ACTUAL :	-1020.48542	421.04280	14.81000	
NOMINAL :	-1020.50000	421.00000	14.81000	
DEVIATION :	0.01458	0.04280	0.00000	0.04522

Point 10

ACTUAL :	-817.03339	482.50084	14.81000	
NOMINAL :	-817.00000	482.50000	14.81000	
DEVIATION :	-0.03339	0.00084	-0.00000	0.03340

Point 11

ACTUAL :	-817.00284	457.53884	14.81000	
NOMINAL :	-817.00000	457.50000	14.81000	
DEVIATION :	-0.00284	0.03884	0.00000	0.03894

Point 12

ACTUAL :	-816.95626	412.41184	14.81000	
NOMINAL :	-817.00000	412.50000	14.81000	
DEVIATION :	0.04374	-0.08816	-0.00000	0.09842

Point 13

ACTUAL :	-816.96570	387.50184	14.81000	
NOMINAL :	-817.00000	387.50000	14.81000	
DEVIATION :	0.03430	0.00184	-0.00000	0.03434

Point 14

ACTUAL :	-817.02013	342.43084	14.81000	
NOMINAL :	-817.00000	342.50000	14.81000	
DEVIATION :	-0.02013	-0.06916	0.00000	0.07203

Point 15

ACTUAL :	-817.00157	317.46384	14.81000	
NOMINAL :	-817.00000	317.50000	14.81000	
DEVIATION :	-0.00157	-0.03616	0.00000	0.03619

Point 16

ACTUAL :	-817.00199	272.48884	14.81000	
NOMINAL :	-817.00000	272.50000	14.81000	
DEVIATION :	-0.00199	-0.01116	-0.00000	0.01134

Point 17

ACTUAL :	-817.03044	247.50984	14.81000	
NOMINAL :	-817.00000	247.50000	14.81000	
DEVIATION :	-0.03044	0.00984	-0.00000	0.03199

Point 18

ACTUAL :	-817.11285	202.52985	14.81000	
NOMINAL :	-817.00000	202.50000	14.81000	
DEVIATION :	-0.11285	0.02985	0.00000	0.11673

Point 19

ACTUAL :	-817.04230	177.57684	14.81000	
NOMINAL :	-817.00000	177.50000	14.81000	
DEVIATION :	-0.04230	0.07684	0.00000	0.08771

Point 20

ACTUAL :	-817.04971	132.56084	14.81000	
NOMINAL :	-817.00000	132.50000	14.81000	
DEVIATION :	-0.04971	0.06084	-0.00000	0.07857

Point 21

ACTUAL :	-817.03116	107.57584	14.81000	
NOMINAL :	-817.00000	107.50000	14.81000	
DEVIATION :	-0.03116	0.07584	-0.00000	0.08199

Point 22

ACTUAL :	-817.08458	62.53185	14.81000	
NOMINAL :	-817.00000	62.50000	14.81000	
DEVIATION :	-0.08458	0.03185	-0.00000	0.09038

Point 23

ACTUAL :	-817.12204	37.44285	14.81000	
NOMINAL :	-817.00000	37.50000	14.81000	
DEVIATION :	-0.12204	-0.05715	-0.00000	0.13476

Point 24

ACTUAL :	-763.04103	37.55055	14.81000	
NOMINAL :	-763.00000	37.50000	14.81000	
DEVIATION :	-0.04103	0.05055	-0.00000	0.06510

Point 25

ACTUAL :	-763.06358	62.49355	14.81000	
NOMINAL :	-763.00000	62.50000	14.81000	
DEVIATION :	-0.06358	-0.00645	0.00000	0.06391

Point 26

ACTUAL :	-763.02616	107.58454	14.81000	
NOMINAL :	-763.00000	107.50000	14.81000	
DEVIATION :	-0.02616	0.08454	0.00000	0.08850

Point 27

ACTUAL :	-763.07571	132.53255	14.81000	
NOMINAL :	-763.00000	132.50000	14.81000	
DEVIATION :	-0.07571	0.03255	0.00000	0.08241

Point 28

ACTUAL :	-763.01530	177.55254	14.81000	
NOMINAL :	-763.00000	177.50000	14.81000	
DEVIATION :	-0.01530	0.05254	0.00000	0.05473

Point 29

ACTUAL :	-763.01184	202.60454	14.81000	
NOMINAL :	-763.00000	202.50000	14.81000	
DEVIATION :	-0.01184	0.10454	0.00000	0.10521

Point 30

ACTUAL :	-762.98443	247.53354	14.81000	
NOMINAL :	-763.00000	247.50000	14.81000	
DEVIATION :	0.01557	0.03354	0.00000	0.03698

Point 31

ACTUAL :	-762.95799	272.47854	14.81000	
NOMINAL :	-763.00000	272.50000	14.81000	
DEVIATION :	0.04201	-0.02146	0.00000	0.04718

Point 32

ACTUAL :	-762.97956	317.59354	14.81000	
NOMINAL :	-763.00000	317.50000	14.81000	
DEVIATION :	0.02044	0.09354	0.00000	0.09575

Point 33

ACTUAL :	-762.96913	342.43154	14.81000	
NOMINAL :	-763.00000	342.50000	14.81000	
DEVIATION :	0.03087	-0.06846	0.00000	0.07510

Point 34

ACTUAL :	-763.03371	387.48355	14.81000	
NOMINAL :	-763.00000	387.50000	14.81000	
DEVIATION :	-0.03371	-0.01645	0.00000	0.03751

Point 35

ACTUAL :	-763.03525	412.48455	14.81000	
NOMINAL :	-763.00000	412.50000	14.81000	
DEVIATION :	-0.03525	-0.01545	0.00000	0.03849

Point 36

ACTUAL :	-763.04383	457.54455	14.81000	
NOMINAL :	-763.00000	457.50000	14.81000	
DEVIATION :	-0.04383	0.04455	0.00000	0.06250

Point 37

ACTUAL :	-763.04539	482.51355	14.81000	
NOMINAL :	-763.00000	482.50000	14.81000	
DEVIATION :	-0.04539	0.01355	0.00000	0.04736

Point 38

ACTUAL :	-709.06039	482.45325	14.81000	
NOMINAL :	-709.00000	482.50000	14.81000	
DEVIATION :	-0.06039	-0.04675	0.00000	0.07637

Point 39

ACTUAL :	-709.03584	457.50025	14.81000	
NOMINAL :	-709.00000	457.50000	14.81000	
DEVIATION :	-0.03584	0.00025	0.00000	0.03584

Point 40

ACTUAL :	-708.98725	412.50525	14.81000	
NOMINAL :	-709.00000	412.50000	14.81000	
DEVIATION :	0.01275	0.00525	0.00000	0.01379

Point 41

ACTUAL :	-709.01570	387.51825	14.81000	
NOMINAL :	-709.00000	387.50000	14.81000	
DEVIATION :	-0.01570	0.01825	0.00000	0.02407

Point 42

ACTUAL :	-708.99612	342.50225	14.81000	
NOMINAL :	-709.00000	342.50000	14.81000	
DEVIATION :	0.00388	0.00225	0.00000	0.00448

Point 43

ACTUAL :	-708.99558	317.41625	14.81000	
NOMINAL :	-709.00000	317.50000	14.81000	
DEVIATION :	0.00442	-0.08375	0.00000	0.08387

Point 44

ACTUAL :	-709.00399	272.42925	14.81000	
NOMINAL :	-709.00000	272.50000	14.81000	
DEVIATION :	-0.00399	-0.07075	0.00000	0.07087

Point 45

ACTUAL :	-708.99143	247.54625	14.81000	
NOMINAL :	-709.00000	247.50000	14.81000	
DEVIATION :	0.00857	0.04625	0.00000	0.04703

Point 46

ACTUAL :	-709.00285	202.51325	14.81000	
NOMINAL :	-709.00000	202.50000	14.81000	
DEVIATION :	-0.00285	0.01325	0.00000	0.01355

Point 47

ACTUAL :	-709.02430	177.51625	14.81000	
NOMINAL :	-709.00000	177.50000	14.81000	
DEVIATION :	-0.02430	0.01625	-0.00000	0.02923

Point 48

ACTUAL :	-709.03272	132.51525	14.81000	
NOMINAL :	-709.00000	132.50000	14.81000	
DEVIATION :	-0.03272	0.01525	0.00000	0.03609

Point 49

ACTUAL :	-709.00917	107.51425	14.81000	
NOMINAL :	-709.00000	107.50000	14.81000	
DEVIATION :	-0.00917	0.01425	0.00000	0.01694

Point 50

ACTUAL :	-709.06658	62.55625	14.81000	
NOMINAL :	-709.00000	62.50000	14.81000	
DEVIATION :	-0.06658	0.05625	0.00000	0.08716

Point 51

ACTUAL :	-709.06506	37.28925	14.81000	
NOMINAL :	-709.00000	37.50000	14.81000	
DEVIATION :	-0.06506	-0.21075	0.00000	0.22056

Point 52

ACTUAL :	-655.02604	37.47595	14.81000	
NOMINAL :	-655.00000	37.50000	14.81000	
DEVIATION :	-0.02604	-0.02405	0.00000	0.03544

Point 53

ACTUAL :	-655.01358	62.54395	14.81000	
NOMINAL :	-655.00000	62.50000	14.81000	
DEVIATION :	-0.01358	0.04395	0.00000	0.04600

Point 54

ACTUAL :	-655.00816	107.56095	14.81000	
NOMINAL :	-655.00000	107.50000	14.81000	
DEVIATION :	-0.00816	0.06095	-0.00000	0.06149

Point 223

ACTUAL :	1015.39465	24.00310	14.81000	
NOMINAL :	1015.50000	24.00000	14.81000	
DEVIATION :	-0.10535	0.00310	0.00000	0.10540

Point 224

ACTUAL :	1015.47205	79.04210	14.81000	
NOMINAL :	1015.50000	79.00000	14.81000	
DEVIATION :	-0.02795	0.04210	0.00000	0.05053

Point 225

ACTUAL :	1045.46405	79.06815	14.81000	
NOMINAL :	1045.50000	79.00000	14.81000	
DEVIATION :	-0.03595	0.06815	0.00000	0.07705

Point 226

ACTUAL :	1045.44765	23.97916	14.81000	
NOMINAL :	1045.50000	24.00000	14.81000	
DEVIATION :	-0.05235	-0.02084	0.00000	0.05635

Point 227

ACTUAL :	1020.45959	420.99561	14.81000	
NOMINAL :	1020.50000	421.00000	14.81000	
DEVIATION :	-0.04041	-0.00439	0.00000	0.04065

Point 228

ACTUAL :	1020.42333	448.97861	14.81000	
NOMINAL :	1020.50000	449.00000	14.81000	
DEVIATION :	-0.07667	-0.02139	0.00000	0.07959

Point 229

ACTUAL :	1070.44034	449.05071	14.81000	
NOMINAL :	1070.50000	449.00000	14.81000	
DEVIATION :	-0.05966	0.05071	0.00000	0.07830

Point 216

ACTUAL :	817.01743	317.48156	14.81000	
NOMINAL :	817.00000	317.50000	14.81000	
DEVIATION :	0.01743	-0.01844	0.00000	0.02537

Point 217

ACTUAL :	817.03089	342.46656	14.81000	
NOMINAL :	817.00000	342.50000	14.81000	
DEVIATION :	0.03089	-0.03344	0.00000	0.04552

Point 218

ACTUAL :	817.03330	387.52256	14.81000	
NOMINAL :	817.00000	387.50000	14.81000	
DEVIATION :	0.03330	0.02256	0.00000	0.04023

Point 219

ACTUAL :	816.99275	412.48757	14.81000	
NOMINAL :	817.00000	412.50000	14.81000	
DEVIATION :	-0.00725	-0.01243	0.00000	0.01439

Point 220

ACTUAL :	817.04417	457.51656	14.81000	
NOMINAL :	817.00000	457.50000	14.81000	
DEVIATION :	0.04417	0.01656	0.00000	0.04717

Point 221

ACTUAL :	817.02262	482.49056	14.81000	
NOMINAL :	817.00000	482.50000	14.81000	
DEVIATION :	0.02262	-0.00944	0.00000	0.02451

Point 222

ACTUAL :	978.41626	20.03573	14.81000	
NOMINAL :	978.50000	20.00000	14.81000	
DEVIATION :	-0.08374	0.03573	-0.00000	0.09104

Point 209

ACTUAL :	817.03042	62.50256	14.81000	
NOMINAL :	817.00000	62.50000	14.81000	
DEVIATION :	0.03042	0.00256	0.00000	0.03053

Point 210

ACTUAL :	817.02784	107.53756	14.81000	
NOMINAL :	817.00000	107.50000	14.81000	
DEVIATION :	0.02784	0.03756	0.00000	0.04675

Point 211

ACTUAL :	817.00629	132.48856	14.81000	
NOMINAL :	817.00000	132.50000	14.81000	
DEVIATION :	0.00629	-0.01144	-0.00000	0.01305

Point 212

ACTUAL :	817.05071	177.53856	14.81000	
NOMINAL :	817.00000	177.50000	14.81000	
DEVIATION :	0.05071	0.03856	0.00000	0.06370

Point 213

ACTUAL :	817.02116	202.54456	14.81000	
NOMINAL :	817.00000	202.50000	14.81000	
DEVIATION :	0.02116	0.04456	0.00000	0.04933

Point 214

ACTUAL :	817.02257	247.51056	14.81000	
NOMINAL :	817.00000	247.50000	14.81000	
DEVIATION :	0.02257	0.01056	0.00000	0.02492

Point 215

ACTUAL :	817.01502	272.48856	14.81000	
NOMINAL :	817.00000	272.50000	14.81000	
DEVIATION :	0.01502	-0.01144	0.00000	0.01888

Point 202

ACTUAL :	763.04142	62.49286	14.81000	
NOMINAL :	763.00000	62.50000	14.81000	
DEVIATION :	0.04142	-0.00714	0.00000	0.04203

Point 203

ACTUAL :	763.02429	132.50486	14.81000	
NOMINAL :	763.00000	132.50000	14.81000	
DEVIATION :	0.02429	0.00486	-0.00000	0.02477

Point 204

ACTUAL :	763.04984	107.53186	14.81000	
NOMINAL :	763.00000	107.50000	14.81000	
DEVIATION :	0.04984	0.03186	0.00000	0.05915

Point 205

ACTUAL :	763.03897	37.50286	14.81000	
NOMINAL :	763.00000	37.50000	14.81000	
DEVIATION :	0.03897	0.00286	0.00000	0.03908

Point 206

ACTUAL :	763.04156	247.43186	14.81000	
NOMINAL :	763.00000	247.50000	14.81000	
DEVIATION :	0.04156	-0.06814	0.00000	0.07982

Point 207

ACTUAL :	763.02169	177.40186	14.81000	
NOMINAL :	763.00000	177.50000	14.81000	
DEVIATION :	0.02169	-0.09814	0.00000	0.10051

Point 208

ACTUAL :	817.02197	37.51956	14.81000	
NOMINAL :	817.00000	37.50000	14.81000	
DEVIATION :	0.02197	0.01956	0.00000	0.02942

Point 195

ACTUAL :	763.01276	412.51286	14.81000	
NOMINAL :	763.00000	412.50000	14.81000	
DEVIATION :	0.01276	0.01286	0.00000	0.01811

Point 196

ACTUAL :	763.03031	387.53186	14.81000	
NOMINAL :	763.00000	387.50000	14.81000	
DEVIATION :	0.03031	0.03186	0.00000	0.04397

Point 197

ACTUAL :	763.03789	342.47486	14.81000	
NOMINAL :	763.00000	342.50000	14.81000	
DEVIATION :	0.03789	-0.02514	0.00000	0.04547

Point 198

ACTUAL :	763.06043	317.47386	14.81000	
NOMINAL :	763.00000	317.50000	14.81000	
DEVIATION :	0.06043	-0.02614	0.00000	0.06585

Point 199

ACTUAL :	763.00602	272.46286	14.81000	
NOMINAL :	763.00000	272.50000	14.81000	
DEVIATION :	0.00602	-0.03714	0.00000	0.03762

Point 200

ACTUAL :	763.03128	132.40586	14.81000	
NOMINAL :	763.00000	132.50000	14.81000	
DEVIATION :	0.03128	-0.09414	-0.00000	0.09920

Point 201

ACTUAL :	763.05016	202.52886	14.81000	
NOMINAL :	763.00000	202.50000	14.81000	
DEVIATION :	0.05016	0.02886	0.00000	0.05787

Point 188

ACTUAL :	709.06089	342.48415	14.81000	
NOMINAL :	709.00000	342.50000	14.81000	
DEVIATION :	0.06089	-0.01585	0.00000	0.06292

Point 189

ACTUAL :	709.04331	387.54315	14.81000	
NOMINAL :	709.00000	387.50000	14.81000	
DEVIATION :	0.04331	0.04315	0.00000	0.06114

Point 190

ACTUAL :	708.99375	412.47516	14.81000	
NOMINAL :	709.00000	412.50000	14.81000	
DEVIATION :	-0.00625	-0.02484	0.00000	0.02561

Point 191

ACTUAL :	709.06817	457.53615	14.81000	
NOMINAL :	709.00000	457.50000	14.81000	
DEVIATION :	0.06817	0.03615	0.00000	0.07716

Point 192

ACTUAL :	709.03662	482.51216	14.81000	
NOMINAL :	709.00000	482.50000	14.81000	
DEVIATION :	0.03662	0.01216	0.00000	0.03859

Point 193

ACTUAL :	762.99762	482.47586	14.81000	
NOMINAL :	763.00000	482.50000	14.81000	
DEVIATION :	-0.00238	-0.02414	0.00000	0.02425

Point 194

ACTUAL :	763.05217	457.50586	14.81000	
NOMINAL :	763.00000	457.50000	14.81000	
DEVIATION :	0.05217	0.00586	0.00000	0.05250

Point 181

ACTUAL :	709.04329	132.50615	14.81000	
NOMINAL :	709.00000	132.50000	14.81000	
DEVIATION :	0.04329	0.00615	-0.00000	0.04373

Point 182

ACTUAL :	709.00842	62.46616	14.81000	
NOMINAL :	709.00000	62.50000	14.81000	
DEVIATION :	0.00842	-0.03384	0.00000	0.03488

Point 183

ACTUAL :	709.07571	177.52815	14.81000	
NOMINAL :	709.00000	177.50000	14.81000	
DEVIATION :	0.07571	0.02815	0.00000	0.08077

Point 184

ACTUAL :	709.01715	202.47516	14.81000	
NOMINAL :	709.00000	202.50000	14.81000	
DEVIATION :	0.01715	-0.02484	0.00000	0.03019

Point 185

ACTUAL :	709.02457	247.49216	14.81000	
NOMINAL :	709.00000	247.50000	14.81000	
DEVIATION :	0.02457	-0.00784	0.00000	0.02579

Point 186

ACTUAL :	709.00902	272.50216	14.81000	
NOMINAL :	709.00000	272.50000	14.81000	
DEVIATION :	0.00902	0.00216	0.00000	0.00928

Point 187

ACTUAL :	709.05443	317.48415	14.81000	
NOMINAL :	709.00000	317.50000	14.81000	
DEVIATION :	0.05443	-0.01585	0.00000	0.05669

Point 174

ACTUAL :	655.00629	132.46645	14.81000	
NOMINAL :	655.00000	132.50000	14.81000	
DEVIATION :	0.00629	-0.03355	-0.00000	0.03413

Point 175

ACTUAL :	655.06670	177.41545	14.81000	
NOMINAL :	655.00000	177.50000	14.81000	
DEVIATION :	0.06670	-0.08455	0.00000	0.10769

Point 176

ACTUAL :	655.00784	107.53045	14.81000	
NOMINAL :	655.00000	107.50000	14.81000	
DEVIATION :	0.00784	0.03045	0.00000	0.03145

Point 177

ACTUAL :	655.00942	62.49045	14.81000	
NOMINAL :	655.00000	62.50000	14.81000	
DEVIATION :	0.00942	-0.00955	0.00000	0.01341

Point 178

ACTUAL :	655.02597	37.51445	14.81000	
NOMINAL :	655.00000	37.50000	14.81000	
DEVIATION :	0.02597	0.01445	0.00000	0.02972

Point 179

ACTUAL :	709.01497	37.49516	14.81000	
NOMINAL :	709.00000	37.50000	14.81000	
DEVIATION :	0.01497	-0.00484	0.00000	0.01574

Point 180

ACTUAL :	709.03584	107.53115	14.81000	
NOMINAL :	709.00000	107.50000	14.81000	
DEVIATION :	0.03584	0.03115	-0.00000	0.04749

Point 167

ACTUAL :	654.98775	412.47546	14.81000	
NOMINAL :	655.00000	412.50000	14.81000	
DEVIATION :	-0.01225	-0.02454	0.00000	0.02743

Point 168

ACTUAL :	655.03631	387.54145	14.81000	
NOMINAL :	655.00000	387.50000	14.81000	
DEVIATION :	0.03631	0.04145	0.00000	0.05510

Point 169

ACTUAL :	655.00988	342.43945	14.81000	
NOMINAL :	655.00000	342.50000	14.81000	
DEVIATION :	0.00988	-0.06055	0.00000	0.06135

Point 170

ACTUAL :	655.02543	317.46245	14.81000	
NOMINAL :	655.00000	317.50000	14.81000	
DEVIATION :	0.02543	-0.03755	0.00000	0.04535

Point 171

ACTUAL :	655.03002	272.45345	14.81000	
NOMINAL :	655.00000	272.50000	14.81000	
DEVIATION :	0.03002	-0.04655	0.00000	0.05539

Point 172

ACTUAL :	655.04257	247.49845	14.81000	
NOMINAL :	655.00000	247.50000	14.81000	
DEVIATION :	0.04257	-0.00155	0.00000	0.04260

Point 173

ACTUAL :	655.03415	202.48245	14.81000	
NOMINAL :	655.00000	202.50000	14.81000	
DEVIATION :	0.03415	-0.01755	0.00000	0.03840

Point 160

ACTUAL :	601.03888	342.46075	14.81000	
NOMINAL :	601.00000	342.50000	14.81000	
DEVIATION :	0.03888	-0.03925	0.00000	0.05525

Point 161

ACTUAL :	601.06430	387.51675	14.81000	
NOMINAL :	601.00000	387.50000	14.81000	
DEVIATION :	0.06430	0.01675	0.00000	0.06645

Point 162

ACTUAL :	600.98775	412.47175	14.81000	
NOMINAL :	601.00000	412.50000	14.81000	
DEVIATION :	-0.01225	-0.02825	0.00000	0.03079

Point 163

ACTUAL :	601.03617	457.52575	14.81000	
NOMINAL :	601.00000	457.50000	14.81000	
DEVIATION :	0.03617	0.02575	0.00000	0.04440

Point 164

ACTUAL :	600.96762	482.50176	14.81000	
NOMINAL :	601.00000	482.50000	14.81000	
DEVIATION :	-0.03238	0.00176	0.00000	0.03243

Point 165

ACTUAL :	655.00762	482.51546	14.81000	
NOMINAL :	655.00000	482.50000	14.81000	
DEVIATION :	0.00762	0.01546	0.00000	0.01723

Point 166

ACTUAL :	655.04517	457.53045	14.81000	
NOMINAL :	655.00000	457.50000	14.81000	
DEVIATION :	0.04517	0.03045	0.00000	0.05448

Point 153

ACTUAL :	600.99584	107.54475	14.81000	
NOMINAL :	601.00000	107.50000	14.81000	
DEVIATION :	-0.00416	0.04475	0.00000	0.04494

Point 154

ACTUAL :	600.97529	132.48575	14.81000	
NOMINAL :	601.00000	132.50000	14.81000	
DEVIATION :	-0.02471	-0.01425	-0.00000	0.02852

Point 155

ACTUAL :	601.04270	177.49875	14.81000	
NOMINAL :	601.00000	177.50000	14.81000	
DEVIATION :	0.04270	-0.00125	0.00000	0.04272

Point 156

ACTUAL :	601.03215	202.48275	14.81000	
NOMINAL :	601.00000	202.50000	14.81000	
DEVIATION :	0.03215	-0.01725	0.00000	0.03649

Point 157

ACTUAL :	601.03857	247.46475	14.81000	
NOMINAL :	601.00000	247.50000	14.81000	
DEVIATION :	0.03857	-0.03525	0.00000	0.05225

Point 158

ACTUAL :	601.03002	272.44275	14.81000	
NOMINAL :	601.00000	272.50000	14.81000	
DEVIATION :	0.03002	-0.05725	0.00000	0.06464

Point 159

ACTUAL :	601.01543	317.47375	14.81000	
NOMINAL :	601.00000	317.50000	14.81000	
DEVIATION :	0.01543	-0.02625	0.00000	0.03045

Point 146

ACTUAL :	547.00570	177.49505	14.81000	
NOMINAL :	547.00000	177.50000	14.81000	
DEVIATION :	0.00570	-0.00495	0.00000	0.00755

Point 147

ACTUAL :	546.96829	132.54205	14.81000	
NOMINAL :	547.00000	132.50000	14.81000	
DEVIATION :	-0.03171	0.04205	-0.00000	0.05266

Point 148

ACTUAL :	547.01542	62.48205	14.81000	
NOMINAL :	547.00000	62.50000	14.81000	
DEVIATION :	0.01542	-0.01795	0.00000	0.02367

Point 149

ACTUAL :	547.00684	107.55805	14.81000	
NOMINAL :	547.00000	107.50000	14.81000	
DEVIATION :	0.00684	0.05805	-0.00000	0.05845

Point 150

ACTUAL :	547.00797	37.51005	14.81000	
NOMINAL :	547.00000	37.50000	14.81000	
DEVIATION :	0.00797	0.01005	0.00000	0.01282

Point 151

ACTUAL :	600.97197	37.48375	14.81000	
NOMINAL :	601.00000	37.50000	14.81000	
DEVIATION :	-0.02803	-0.01625	0.00000	0.03240

Point 152

ACTUAL :	600.97842	62.45375	14.81000	
NOMINAL :	601.00000	62.50000	14.81000	
DEVIATION :	-0.02158	-0.04625	0.00000	0.05103

Point 139

ACTUAL :	546.94875	412.46205	14.81000	
NOMINAL :	547.00000	412.50000	14.81000	
DEVIATION :	-0.05125	-0.03795	0.00000	0.06377

Point 140

ACTUAL :	547.03730	387.47605	14.81000	
NOMINAL :	547.00000	387.50000	14.81000	
DEVIATION :	0.03730	-0.02395	0.00000	0.04433

Point 141

ACTUAL :	546.98888	342.47205	14.81000	
NOMINAL :	547.00000	342.50000	14.81000	
DEVIATION :	-0.01112	-0.02795	0.00000	0.03008

Point 142

ACTUAL :	546.98943	317.45805	14.81000	
NOMINAL :	547.00000	317.50000	14.81000	
DEVIATION :	-0.01057	-0.04195	0.00000	0.04326

Point 143

ACTUAL :	547.03202	272.45405	14.81000	
NOMINAL :	547.00000	272.50000	14.81000	
DEVIATION :	0.03202	-0.04595	0.00000	0.05601

Point 144

ACTUAL :	547.00057	247.46205	14.81000	
NOMINAL :	547.00000	247.50000	14.81000	
DEVIATION :	0.00057	-0.03795	0.00000	0.03796

Point 145

ACTUAL :	547.02016	202.50305	14.81000	
NOMINAL :	547.00000	202.50000	14.81000	
DEVIATION :	0.02016	0.00305	0.00000	0.02038

Point 132

ACTUAL :	493.00788	342.47034	14.81000	
NOMINAL :	493.00000	342.50000	14.81000	
DEVIATION :	0.00788	-0.02966	0.00000	0.03069

Point 133

ACTUAL :	492.99730	387.47035	14.81000	
NOMINAL :	493.00000	387.50000	14.81000	
DEVIATION :	-0.00270	-0.02965	0.00000	0.02978

Point 134

ACTUAL :	492.98275	412.43535	14.81000	
NOMINAL :	493.00000	412.50000	14.81000	
DEVIATION :	-0.01725	-0.06465	0.00000	0.06692

Point 135

ACTUAL :	493.02417	457.51334	14.81000	
NOMINAL :	493.00000	457.50000	14.81000	
DEVIATION :	0.02417	0.01334	0.00000	0.02761

Point 136

ACTUAL :	493.00662	482.52635	14.81000	
NOMINAL :	493.00000	482.50000	14.81000	
DEVIATION :	0.00662	0.02635	0.00000	0.02716

Point 137

ACTUAL :	546.99362	482.53805	14.81000	
NOMINAL :	547.00000	482.50000	14.81000	
DEVIATION :	-0.00638	0.03805	0.00000	0.03858

Point 138

ACTUAL :	547.03417	457.50405	14.81000	
NOMINAL :	547.00000	457.50000	14.81000	
DEVIATION :	0.03417	0.00405	0.00000	0.03441

Point 125

ACTUAL :	493.01384	107.56534	14.81000	
NOMINAL :	493.00000	107.50000	14.81000	
DEVIATION :	0.01384	0.06534	-0.00000	0.06679

Point 126

ACTUAL :	492.98829	132.55535	14.81000	
NOMINAL :	493.00000	132.50000	14.81000	
DEVIATION :	-0.01171	0.05535	-0.00000	0.05657

Point 127

ACTUAL :	492.97370	177.48035	14.81000	
NOMINAL :	493.00000	177.50000	14.81000	
DEVIATION :	-0.02630	-0.01965	0.00000	0.03283

Point 128

ACTUAL :	493.00315	202.47934	14.81000	
NOMINAL :	493.00000	202.50000	14.81000	
DEVIATION :	0.00315	-0.02066	0.00000	0.02089

Point 129

ACTUAL :	493.01457	247.47134	14.81000	
NOMINAL :	493.00000	247.50000	14.81000	
DEVIATION :	0.01457	-0.02866	0.00000	0.03215

Point 130

ACTUAL :	492.96502	272.46435	14.81000	
NOMINAL :	493.00000	272.50000	14.81000	
DEVIATION :	-0.03498	-0.03565	0.00000	0.04995

Point 131

ACTUAL :	493.00343	317.47434	14.81000	
NOMINAL :	493.00000	317.50000	14.81000	
DEVIATION :	0.00343	-0.02566	0.00000	0.02588

Point 118

ACTUAL :	220.75673	351.06005	14.81000	
NOMINAL :	220.80000	351.00000	14.81000	
DEVIATION :	-0.04328	0.06005	0.00000	0.07402

Point 119

ACTUAL :	220.80347	379.06004	14.81000	
NOMINAL :	220.80000	379.00000	14.81000	
DEVIATION :	0.00347	0.06004	0.00000	0.06014

Point 120

ACTUAL :	270.74347	379.01515	14.81000	
NOMINAL :	270.79999	379.00000	14.81000	
DEVIATION :	-0.05652	0.01515	0.00000	0.05851

Point 121

ACTUAL :	270.79873	351.05414	14.81000	
NOMINAL :	270.79999	351.00000	14.81000	
DEVIATION :	-0.00126	0.05414	0.00000	0.05416

Point 122

ACTUAL :	449.94925	20.00457	14.81000	
NOMINAL :	450.00000	20.00000	14.81000	
DEVIATION :	-0.05075	0.00457	0.00000	0.05095

Point 123

ACTUAL :	492.99697	37.51834	14.81000	
NOMINAL :	493.00000	37.50000	14.81000	
DEVIATION :	-0.00303	0.01834	0.00000	0.01859

Point 124

ACTUAL :	492.99242	62.49534	14.81000	
NOMINAL :	493.00000	62.50000	14.81000	
DEVIATION :	-0.00758	-0.00466	-0.00000	0.00889

Point 111

ACTUAL :	-270.83953	379.06527	14.81000	
NOMINAL :	-270.79999	379.00000	14.81000	
DEVIATION :	-0.03954	0.06527	0.00000	0.07631

Point 112

ACTUAL :	-220.80753	379.02536	14.81000	
NOMINAL :	-220.80000	379.00000	14.81000	
DEVIATION :	-0.00753	0.02536	0.00000	0.02646

Point 113

ACTUAL :	-220.79229	350.95936	14.81000	
NOMINAL :	-220.80000	351.00000	14.81000	
DEVIATION :	0.00772	-0.04064	0.00000	0.04137

Point 114

ACTUAL :	-35.02860	72.52914	14.81000	
NOMINAL :	-35.00000	72.50000	14.81000	
DEVIATION :	-0.02860	0.02914	0.00000	0.04083

Point 115

ACTUAL :	-35.04801	27.50514	14.81000	
NOMINAL :	-35.00000	27.50000	14.81000	
DEVIATION :	-0.04801	0.00514	0.00000	0.04829

Point 116

ACTUAL :	34.91499	27.54728	14.81000	
NOMINAL :	35.00000	27.50000	14.81000	
DEVIATION :	-0.08501	0.04728	0.00000	0.09727

Point 117

ACTUAL :	34.92540	72.51528	14.81000	
NOMINAL :	35.00000	72.50000	14.81000	
DEVIATION :	-0.07460	0.01528	0.00000	0.07615

Point 104

ACTUAL :	-492.97530	177.49106	14.81000	
NOMINAL :	-493.00000	177.50000	14.81000	
DEVIATION :	0.02470	-0.00894	-0.00000	0.02627

Point 105

ACTUAL :	-492.98071	132.59506	14.81000	
NOMINAL :	-493.00000	132.50000	14.81000	
DEVIATION :	0.01929	0.09506	0.00000	0.09699

Point 106

ACTUAL :	-493.04116	107.57306	14.81000	
NOMINAL :	-493.00000	107.50000	14.81000	
DEVIATION :	-0.04116	0.07306	0.00000	0.08386

Point 107

ACTUAL :	-492.99859	62.41806	14.81000	
NOMINAL :	-493.00000	62.50000	14.81000	
DEVIATION :	0.00141	-0.08194	0.00000	0.08195

Point 108

ACTUAL :	-492.99604	37.47306	14.81000	
NOMINAL :	-493.00000	37.50000	14.81000	
DEVIATION :	0.00396	-0.02694	0.00000	0.02723

Point 109

ACTUAL :	-450.01575	20.02384	14.81000	
NOMINAL :	-450.00000	20.00000	14.81000	
DEVIATION :	-0.01575	0.02384	0.00000	0.02857

Point 110

ACTUAL :	-270.84028	350.99027	14.81000	
NOMINAL :	-270.79999	351.00000	14.81000	
DEVIATION :	-0.04030	-0.00973	-0.00000	0.04145

Point 97

ACTUAL :	-493.04326	412.46206	14.81000	
NOMINAL :	-493.00000	412.50000	14.81000	
DEVIATION :	-0.04326	-0.03794	0.00000	0.05753

Point 98

ACTUAL :	-493.01871	387.45306	14.81000	
NOMINAL :	-493.00000	387.50000	14.81000	
DEVIATION :	-0.01871	-0.04694	0.00000	0.05053

Point 99

ACTUAL :	-492.96012	342.43606	14.81000	
NOMINAL :	-493.00000	342.50000	14.81000	
DEVIATION :	0.03988	-0.06394	0.00000	0.07536

Point 100

ACTUAL :	-492.93057	317.50105	14.81000	
NOMINAL :	-493.00000	317.50000	14.81000	
DEVIATION :	0.06943	0.00105	0.00000	0.06944

Point 101

ACTUAL :	-492.98498	272.48706	14.81000	
NOMINAL :	-493.00000	272.50000	14.81000	
DEVIATION :	0.01502	-0.01294	0.00000	0.01982

Point 102

ACTUAL :	-492.98743	247.53606	14.81000	
NOMINAL :	-493.00000	247.50000	14.81000	
DEVIATION :	0.01257	0.03606	-0.00000	0.03819

Point 103

ACTUAL :	-492.95586	202.42605	14.81000	
NOMINAL :	-493.00000	202.50000	14.81000	
DEVIATION :	0.04414	-0.07395	0.00000	0.08612

Point 90

ACTUAL :	-546.93712	342.47035	14.81000	
NOMINAL :	-547.00000	342.50000	14.81000	
DEVIATION :	0.06288	-0.02965	-0.00000	0.06952

Point 91

ACTUAL :	-546.91458	317.43135	14.81000	
NOMINAL :	-547.00000	317.50000	14.81000	
DEVIATION :	0.08542	-0.06865	-0.00000	0.10959

Point 92

ACTUAL :	-547.01398	272.49536	14.81000	
NOMINAL :	-547.00000	272.50000	14.81000	
DEVIATION :	-0.01398	-0.00464	0.00000	0.01473

Point 93

ACTUAL :	-546.97383	457.55135	14.81000	
NOMINAL :	-547.00000	457.50000	14.81000	
DEVIATION :	0.02617	0.05135	-0.00000	0.05764

Point 94

ACTUAL :	-547.00538	482.51736	14.81000	
NOMINAL :	-547.00000	482.50000	14.81000	
DEVIATION :	-0.00538	0.01736	-0.00000	0.01817

Point 95

ACTUAL :	-493.04838	482.53607	14.81000	
NOMINAL :	-493.00000	482.50000	14.81000	
DEVIATION :	-0.04838	0.03607	0.00000	0.06034

Point 96

ACTUAL :	-492.97283	457.55006	14.81000	
NOMINAL :	-493.00000	457.50000	14.81000	
DEVIATION :	0.02717	0.05006	0.00000	0.05695

Point 83

ACTUAL :	-547.01171	132.55636	14.81000	
NOMINAL :	-547.00000	132.50000	14.81000	
DEVIATION :	-0.01171	0.05636	0.00000	0.05756

Point 84

ACTUAL :	-546.99930	177.50736	14.81000	
NOMINAL :	-547.00000	177.50000	14.81000	
DEVIATION :	0.00070	0.00736	0.00000	0.00739

Point 85

ACTUAL :	-547.00885	202.45436	14.81000	
NOMINAL :	-547.00000	202.50000	14.81000	
DEVIATION :	-0.00885	-0.04564	0.00000	0.04649

Point 86

ACTUAL :	-546.98826	412.38536	14.81000	
NOMINAL :	-547.00000	412.50000	14.81000	
DEVIATION :	0.01174	-0.11464	0.00000	0.11524

Point 87

ACTUAL :	-547.00885	202.45436	14.81000	
NOMINAL :	-547.00000	202.50000	14.81000	
DEVIATION :	-0.00885	-0.04564	0.00000	0.04649

Point 88

ACTUAL :	-547.02343	247.55536	14.81000	
NOMINAL :	-547.00000	247.50000	14.81000	
DEVIATION :	-0.02343	0.05536	-0.00000	0.06011

Point 89

ACTUAL :	-547.01270	387.49236	14.81000	
NOMINAL :	-547.00000	387.50000	14.81000	
DEVIATION :	-0.01270	-0.00764	0.00000	0.01483

Point 76

ACTUAL :	-601.04371	132.53066	14.81000	
NOMINAL :	-601.00000	132.50000	14.81000	
DEVIATION :	-0.04371	0.03066	0.00000	0.05339

Point 77

ACTUAL :	-600.97116	107.57465	14.81000	
NOMINAL :	-601.00000	107.50000	14.81000	
DEVIATION :	0.02884	0.07465	0.00000	0.08003

Point 78

ACTUAL :	-601.03059	62.43565	14.81000	
NOMINAL :	-601.00000	62.50000	14.81000	
DEVIATION :	-0.03059	-0.06435	0.00000	0.07125

Point 79

ACTUAL :	-601.02003	37.54365	14.81000	
NOMINAL :	-601.00000	37.50000	14.81000	
DEVIATION :	-0.02003	0.04365	0.00000	0.04803

Point 80

ACTUAL :	-546.96503	37.52435	14.81000	
NOMINAL :	-547.00000	37.50000	14.81000	
DEVIATION :	0.03497	0.02435	0.00000	0.04261

Point 81

ACTUAL :	-547.05859	62.46536	14.81000	
NOMINAL :	-547.00000	62.50000	14.81000	
DEVIATION :	-0.05859	-0.03464	0.00000	0.06806

Point 82

ACTUAL :	-546.99117	107.50135	14.81000	
NOMINAL :	-547.00000	107.50000	14.81000	
DEVIATION :	0.00883	0.00135	-0.00000	0.00894

Point 69

ACTUAL :	-601.00971	387.48065	14.81000	
NOMINAL :	-601.00000	387.50000	14.81000	
DEVIATION :	-0.00971	-0.01935	0.00000	0.02164

Point 70

ACTUAL :	-600.92913	342.37765	14.81000	
NOMINAL :	-601.00000	342.50000	14.81000	
DEVIATION :	0.07087	-0.12235	0.00000	0.14140

Point 71

ACTUAL :	-600.93658	317.39765	14.81000	
NOMINAL :	-601.00000	317.50000	14.81000	
DEVIATION :	0.06342	-0.10235	0.00000	0.12041

Point 72

ACTUAL :	-601.06298	272.52466	14.81000	
NOMINAL :	-601.00000	272.50000	14.81000	
DEVIATION :	-0.06298	0.02466	0.00000	0.06764

Point 73

ACTUAL :	-600.99844	247.50965	14.81000	
NOMINAL :	-601.00000	247.50000	14.81000	
DEVIATION :	0.00156	0.00965	0.00000	0.00978

Point 74

ACTUAL :	-600.97885	202.51565	14.81000	
NOMINAL :	-601.00000	202.50000	14.81000	
DEVIATION :	0.02115	0.01565	0.00000	0.02631

Point 75

ACTUAL :	-600.98431	177.41965	14.81000	
NOMINAL :	-601.00000	177.50000	14.81000	
DEVIATION :	0.01569	-0.08035	0.00000	0.08187

Point 62

ACTUAL :	-655.03570	387.51495	14.81000	
NOMINAL :	-655.00000	387.50000	14.81000	
DEVIATION :	-0.03570	0.01495	-0.00000	0.03871

Point 63

ACTUAL :	-654.99325	412.54395	14.81000	
NOMINAL :	-655.00000	412.50000	14.81000	
DEVIATION :	0.00675	0.04395	0.00000	0.04447

Point 64

ACTUAL :	-655.00683	457.56695	14.81000	
NOMINAL :	-655.00000	457.50000	14.81000	
DEVIATION :	-0.00683	0.06695	-0.00000	0.06730

Point 65

ACTUAL :	-655.06139	482.49196	14.81000	
NOMINAL :	-655.00000	482.50000	14.81000	
DEVIATION :	-0.06139	-0.00804	-0.00000	0.06191

Point 66

ACTUAL :	-601.02539	482.50566	14.81000	
NOMINAL :	-601.00000	482.50000	14.81000	
DEVIATION :	-0.02539	0.00566	-0.00000	0.02601

Point 67

ACTUAL :	-600.97083	457.53565	14.81000	
NOMINAL :	-601.00000	457.50000	14.81000	
DEVIATION :	0.02917	0.03565	0.00000	0.04606

Point 68

ACTUAL :	-601.06725	412.47166	14.81000	
NOMINAL :	-601.00000	412.50000	14.81000	
DEVIATION :	-0.06725	-0.02834	0.00000	0.07298

Point 55

ACTUAL :	-655.00072	132.49495	14.81000	
NOMINAL :	-655.00000	132.50000	14.81000	
DEVIATION :	-0.00072	-0.00505	-0.00000	0.00510

Point 56

ACTUAL :	-655.00430	177.51595	14.81000	
NOMINAL :	-655.00000	177.50000	14.81000	
DEVIATION :	-0.00430	0.01595	-0.00000	0.01652

Point 57

ACTUAL :	-655.00085	202.47595	14.81000	
NOMINAL :	-655.00000	202.50000	14.81000	
DEVIATION :	-0.00085	-0.02405	-0.00000	0.02407

Point 58

ACTUAL :	-654.99443	247.54795	14.81000	
NOMINAL :	-655.00000	247.50000	14.81000	
DEVIATION :	0.00557	0.04795	0.00000	0.04827

Point 59

ACTUAL :	-654.96399	272.46795	14.81000	
NOMINAL :	-655.00000	272.50000	14.81000	
DEVIATION :	0.03601	-0.03205	-0.00000	0.04821

Point 60

ACTUAL :	-654.95458	317.42195	14.81000	
NOMINAL :	-655.00000	317.50000	14.81000	
DEVIATION :	0.04542	-0.07805	0.00000	0.09031

Point 61

ACTUAL :	-654.99813	342.42095	14.81000	
NOMINAL :	-655.00000	342.50000	14.81000	
DEVIATION :	0.00187	-0.07905	0.00000	0.07907

Point 230

ACTUAL :	1070.38860	421.05571	14.81000	
NOMINAL :	1070.50000	421.00000	14.81000	
DEVIATION :	-0.11140	0.05571	0.00000	0.12456

0.02

---------- REPORT SUMMARY ----------

	neg	nom	pos	total	
In Tolerance :	0	0	218	218	94.8%
Out of Tolerance :	0	-	12	12	5.2%
Total points :	0	0	230	230	100.0%

Range :	0.21608	Mean :	0.00000
Upper Range :	0.22056	Avg Err :	0.05084
Lower Range :	0.00448	StdDev :	0.02911