

1166

VOLUME II of III

**A HIGH INTENSITY SOLAR FACILITY FOR  
SIMULATING THERMAL NUCLEAR ENVIRONMENT**

Final Research Report  
February - 17, 1988

Prepared under Contract Number DAAD07-87-C-0035  
for  
The U. S. Army White Sands Missile Range

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APPENDIX - B - Technical paper, "A General Model for Solar Central Receiver Designs for High Temperature Industrial Application"

**VOLUME II**

APPENDIX - C - Solar Simulation Program Output Files

APPENDIX - D - Radiant Energy Focal Plane Flux Profiles

**VOLUME III**

APPENDIX - D (continued)

APPENDIX - C

Solar Simulation Program Output Files





WSS9012A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 3719515.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.43 1.39 VERTICAL: -1.24 1.07

HOTTEST SPOT IS 5601257.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	5385824.0	TO	5601257.0
2	B	5170391.0	TO	5385824.0
3	C	4954958.0	TO	5170391.0
4	D	4739525.0	TO	4954958.0
5	E	4524092.0	TO	4739525.0
6	F	4308659.0	TO	4524092.0
7	G	4093226.0	TO	4308659.0
8	H	3877793.0	TO	4093226.0
9	I	3662360.0	TO	3877793.0
10	J	3446927.0	TO	3662360.0
11	K	3231494.0	TO	3446927.0
12	L	3016061.0	TO	3231494.0
13	M	2800628.0	TO	3016061.0
14	N	2585195.0	TO	2800628.0
15	O	2369762.0	TO	2585195.0
16	P	2154329.0	TO	2369762.0
17	Q	1938896.0	TO	2154329.0
18	R	1723463.0	TO	1938896.0
19	S	1508030.0	TO	1723463.0
20	T	1292597.0	TO	1508030.0
21	U	1077164.0	TO	1292597.0
22	V	861731.1	TO	1077164.0
23	W	646298.1	TO	861731.1
24	X	430865.2	TO	646298.1
25	Y	215432.2	TO	430865.2
26	Z	-.7	TO	215432.2
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AREA = 5.25

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	0	1	2	0	1	1	0	1	1	1	1	1	1	2	2	3	3	7	65
CUMULATIVE	100	99	98	97	96	96	95	94	94	93	91	91	90	89	89	88	87	86	85	83	82	81	78	75	72	65
HELIOSTAT X, Y =	72.026		66.000		; FIELD RADIUS AND =		0		; REC. HT =		33.29															
MIR. RADII =	259.00	189.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10		METER															
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =		Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		1500														

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.91 1.95 VERTICAL: -1.94 1.67

HOTTEST SPOT IS 2767693.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	2661243.0	TO	2767693.0
2		B	2554793.0	TO	2661243.0
3		C	2448343.0	TO	2554793.0
4		D	2341893.0	TO	2448343.0
5		E	2235443.0	TO	2341893.0
6	ZZZZZZZ	F	2128993.0	TO	2235443.0
7	ZZZZZZZZZZ	G	2022543.0	TO	2128993.0
8	ZZZZZZZZZZZZZZ	H	1916093.0	TO	2022543.0
9	ZZZZZZZZZZZZZZZZZZ	I	1809643.0	TO	1916093.0
10	ZZZZZZZZZZZZZZZZZZZZ	J	1703193.0	TO	1809643.0
11	ZZZZZZZZZZZZZZZZZZZZZZ	K	1596743.0	TO	1703193.0
12	ZZZZZZZZZZZZZZZZZZZZZZZZ	L	1490293.0	TO	1596743.0
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	1383843.0	TO	1490293.0
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	1277393.0	TO	1383843.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	1170943.0	TO	1277393.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	1064493.0	TO	1170943.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	958043.3	TO	1064493.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	851593.6	TO	958043.3
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	745143.9	TO	851593.6
20	ZZ	T	638694.2	TO	745143.9
21	ZZ	U	532244.6	TO	638694.2
22	ZZ	V	425794.9	TO	532244.6
23	ZZ	W	319345.2	TO	425794.9
24	ZZ	X	212895.5	TO	319345.2
25	ZZ	Y	106445.8	TO	212895.5
26	ZZ	Z	-3.9	TO	106445.8
27	ZZ				
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AREA = 11.16

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	2	2	2	4	6	64
CUMULATIVE	100	98	97	95	94	93	92	92	91	90	89	88	87	86	85	85	84	82	82	80	79	77	76	73	69	64
HELIOSTAT X, Y =	99.000		120.097		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	536.00	268.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																		







FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.86 1.96 VERTICAL: -1.99 1.82  
HOTTEST SPOT IS 2421491.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	2328356.0	TO	2421491.0
2	B	2235221.0	TO	2328356.0
3	C	2142086.0	TO	2235221.0
4	D	2048951.0	TO	2142086.0
5	E	1955816.0	TO	2048951.0
6	F	1862681.0	TO	1955816.0
7	G	1769546.0	TO	1862681.0
8	H	1676411.0	TO	1769546.0
9	I	1583276.0	TO	1676411.0
10	J	1490141.0	TO	1583276.0
11	K	1397006.0	TO	1490141.0
12	L	1303871.0	TO	1397006.0
13	M	1210736.0	TO	1303871.0
14	N	1117601.0	TO	1210736.0
15	O	1024467.0	TO	1117601.0
16	P	931332.5	TO	1024467.0
17	Q	838198.2	TO	931332.5
18	R	745064.0	TO	838198.2
19	S	651929.7	TO	745064.0
20	T	558795.5	TO	651929.7
21	U	465661.2	TO	558795.5
22	V	372527.0	TO	465661.2
23	W	279392.7	TO	372527.0
24	X	186258.5	TO	279392.7
25	Y	93124.3	TO	186258.5
26	Z	-10.0	TO	93124.3
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AREA = 12.19

PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	3	5	66
CUMULATIVE	100	98	97	96	95	94	93	92	91	90	89	88	87	87	86	85	84	83	82	81	79	78	75	72	66

HELIOSTAT X, Y = 99.000 120.097 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 536.00 268.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

MSS9010B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 10:00, TOTAL ENERGY IS : 4849533.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.03 1.80 VERTICAL: -1.67 1.32

HOTTEST SPOT IS 4622870.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	4445067.0	TO	4622870.0
2	B	4267264.0	TO	4445067.0
3	C	4089461.0	TO	4267264.0
4	D	3911658.0	TO	4089461.0
5	E	3733855.0	TO	3911658.0
6	F	3556052.0	TO	3733855.0
7	G	3378249.0	TO	3556052.0
8	H	3200446.0	TO	3378249.0
9	I	3022643.0	TO	3200446.0
10	J	2844840.0	TO	3022643.0
11	K	2667037.0	TO	2844840.0
12	L	2489234.0	TO	2667037.0
13	M	2311431.0	TO	2489234.0
14	N	2133628.0	TO	2311431.0
15	O	1955825.0	TO	2133628.0
16	P	1778022.0	TO	1955825.0
17	Q	1600219.0	TO	1778022.0
18	R	1422416.0	TO	1600219.0
19	S	1244613.0	TO	1422416.0
20	T	1066810.0	TO	1244613.0
21	U	889007.3	TO	1066810.0
22	V	711204.6	TO	889007.3
23	W	533401.9	TO	711204.6
24	X	355599.2	TO	533401.9
25	Y	177796.6	TO	355599.2
26	Z	-6.1	TO	177796.6
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AREA = 9.32

PERCENT	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	2	0	1	1	2	1	2	2	3	5	70
CUMULATIVE	100	99	98	98	97	96	96	95	94	94	93	92	91	90	90	89	88	87	86	85	83	82	80	79	76	70

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00

MIR. RADII = 410.00 238.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.76 1.63 VERTICAL: -1.32 1.32  
HOTTEST SPOT IS 4957688.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	4767007.0	TO	4957688.0
2		B	4576326.0	TO	4767007.0
3		C	4385645.0	TO	4576326.0
4		D	4194964.0	TO	4385645.0
5		E	4004283.0	TO	4194964.0
6		F	3813602.0	TO	4004283.0
7		G	3622921.0	TO	3813602.0
8		H	3432240.0	TO	3622921.0
9		I	3241559.0	TO	3432240.0
10	ZZZZZZZZ	J	3050878.0	TO	3241559.0
11	ZZZZZZZZZZZZ	K	2860197.0	TO	3050878.0
12	ZZZZZZZZZZZZZZZZ	L	2669516.0	TO	2860197.0
13	ZZZZZZZZZZZZZZZZZZ	M	2478835.0	TO	2669516.0
14	ZZZZZZZZZZZZZZZZZZZZ	N	2288154.0	TO	2478835.0
15	ZZZZZZZZZZZZZZZZZZZZZZ	O	2097473.0	TO	2288154.0
16	ZZZZZZZZYXXXYZZZZZZZZZZ	P	1906792.0	TO	2097473.0
17	ZZZZZZZZYXVUUTUWXZZZZZZZZ	Q	1716111.0	TO	1906792.0
18	ZZZZZZZZYWVSQOOPRUWYZZZZZZZZ	R	1525430.0	TO	1716111.0
19	ZZZZZZZZYXVSOLJ1JLPTWYZZZZZZZZ	S	1334749.0	TO	1525430.0
20	ZZZZZZZZYXTPKHEDEGKQUXYZZZZZZZ	T	1144068.0	TO	1334749.0
21	ZZZZZZZZYWSMHECBBDHMSVYZZZZZZZ	U	953387.7	TO	1144068.0
22	ZZZZZZZZYVRLGCAACFKQVXYZZZZZZZZ	V	762707.5	TO	953387.7
23	ZZZZZZZZYWRMHCAACFKPUXYZZZZZZZZ	W	572027.2	TO	762707.5
24	ZZZZZZZZYWTQJFCBCDHLQUXYZZZZZZZ	X	381347.0	TO	572027.2
25	ZZZZZZZZYXURMIFEEGKOSVXYZZZZZZ	Y	190666.7	TO	381347.0
26	ZZZZZZZZZYXWURNKJJLORUWXYZZZZZZ	Z	-13.5	TO	190666.7
27	ZZZZZZZZZZYXWUSQPPQSUXYYZZZZZZ				
28	ZZZZZZZZZZYXWVUTUVWXYZZZZZZZZ				
29	ZZZZZZZZZZZZYXXXYZZZZZZZZ				
30	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	0	1	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	2	1	2	3	5	73
CUMULATIVE	100	99	99	98	97	97	96	96	95	95	94	93	92	92	92	91	90	89	88	87	87	85	83	82	78	73

HELIOSTAT X, Y = 72.026 66.000 ; FIELD RADIUS AND = 0 ; REC. HT = 33.29  
MIR. RADII = 259.00 189.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.82 1.95 VERTICAL: -1.81 1.44

HOTTEST SPOT IS 2986130.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	2871278.0	TO	2986130.0
2	B	2756426.0	TO	2871278.0
3	C	2641574.0	TO	2756426.0
4	D	2526722.0	TO	2641574.0
5	E	2411870.0	TO	2526722.0
6	F	2297018.0	TO	2411870.0
7	G	2182166.0	TO	2297018.0
8	H	2067314.0	TO	2182166.0
9	I	1952462.0	TO	2067314.0
10	J	1837610.0	TO	1952462.0
11	K	1722758.0	TO	1837610.0
12	L	1607906.0	TO	1722758.0
13	M	1493054.0	TO	1607906.0
14	N	1378202.0	TO	1493054.0
15	O	1263350.0	TO	1378202.0
16	P	1148498.0	TO	1263350.0
17	Q	1033647.0	TO	1148498.0
18	R	918795.7	TO	1033647.0
19	S	803944.6	TO	918795.7
20	T	689093.5	TO	803944.6
21	U	574242.4	TO	689093.5
22	V	459391.2	TO	574242.4
23	W	344540.1	TO	459391.2
24	X	229689.0	TO	344540.1
25	Y	114837.9	TO	229689.0
26	Z	-13.3	TO	114837.9
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AREA = 10.49

PERCENT	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	3	6	63
CUMULATIVE	100	98	96	95	94	93	91	91	90	89	88	87	87	86	85	84	83	82	81	79	78	77	74	72	69	63

HELIOSTAT X, Y = 99.000 120.097 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 536.00 268.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

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LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 12:00, TOTAL ENERGY IS : 5742724.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.95 1.76 VERTICAL: -1.56 1.18  
HOTTEST SPOT IS 5566681.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5352577.0	TD	5566681.0
2	B	5138473.0	TD	5352577.0
3	C	4924369.0	TD	5138473.0
4	D	4710265.0	TD	4924369.0
5	E	4496161.0	TD	4710265.0
6	F	4282057.0	TD	4496161.0
7	G	4067953.0	TD	4282057.0
8	H	3853849.0	TD	4067953.0
9	I	3639745.0	TD	3853849.0
10	J	3425641.0	TD	3639745.0
11	K	3211537.0	TD	3425641.0
12	L	2997433.0	TD	3211537.0
13	M	2783329.0	TD	2997433.0
14	N	2569225.0	TD	2783329.0
15	O	2355121.0	TD	2569225.0
16	P	2141017.0	TD	2355121.0
17	Q	1926913.0	TD	2141017.0
18	R	1712809.0	TD	1926913.0
19	S	1498705.0	TD	1712809.0
20	T	1284601.0	TD	1498705.0
21	U	1070497.0	TD	1284601.0
22	V	856393.9	TD	1070497.0
23	W	642290.9	TD	856393.9
24	X	428187.8	TD	642290.9
25	Y	214084.7	TD	428187.8
26	Z	-18.3	TD	214084.7
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AREA = 7.85

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	1	2	3	3	6	65
CUMULATIVE	100	99	98	97	96	96	95	94	93	92	91	91	90	89	88	87	86	85	84	83	81	80	77	75	71	65
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND = 0		; REC. HT = 10.00																			
MIR. RADII =	410.00	238.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10		METER																	
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		ND. OF MIRRORS = 2500																			

WSE9012A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 12:00, TOTAL ENERGY IS : 3887545.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.64 1.66 VERTICAL: -1.14 1.00

HOTTEST SPOT IS 5758140.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5536673.0	TO	5758140.0
2	B	5315206.0	TO	5536673.0
3	C	5093739.0	TO	5315206.0
4	D	4872272.0	TO	5093739.0
5	E	4650805.0	TO	4872272.0
6	F	4429338.0	TO	4650805.0
7	G	4207871.0	TO	4429338.0
8	H	3986404.0	TO	4207871.0
9	I	3764937.0	TO	3986404.0
10	J	3543470.0	TO	3764937.0
11	K	3322003.0	TO	3543470.0
12	L	3100536.0	TO	3322003.0
13	M	2879069.0	TO	3100536.0
14	N	2657602.0	TO	2879069.0
15	O	2436135.0	TO	2657602.0
16	P	2214668.0	TO	2436135.0
17	Q	1993201.0	TO	2214668.0
18	R	1771734.0	TO	1993201.0
19	S	1550267.0	TO	1771734.0
20	T	1328800.0	TO	1550267.0
21	U	1107333.0	TO	1328800.0
22	V	885866.1	TO	1107333.0
23	W	664399.2	TO	885866.1
24	X	442932.4	TO	664399.2
25	Y	221465.5	TO	442932.4
26	Z	-1.4	TO	221465.5

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AREA = 5.28

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	0	2	2	2	2	5	7	65
CUMULATIVE	100	99	98	97	96	96	95	94	93	93	91	91	90	90	89	88	87	86	84	84	82	80	78	76	71	65
HELIOSTAT X, Y =	72.026		66.000		; FIELD RADIUS AND =		0		; REC. HT =		33.29															
MIR. RADII =	259.00	189.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0																	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 1500		



WSE9011C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 11:00, TOTAL ENERGY IS : 5004088.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.89 1.88 VERTICAL: -1.85 1.57

HOTTEST SPOT IS 2949459.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	2836018.0	TO	2949459.0
2	B	2722577.0	TO	2836018.0
3	C	2609136.0	TO	2722577.0
4	D	2495695.0	TO	2609136.0
5	E	2382254.0	TO	2495695.0
6	F	2268813.0	TO	2382254.0
7	G	2155372.0	TO	2268813.0
8	H	2041931.0	TO	2155372.0
9	I	1928490.0	TO	2041931.0
10	J	1815049.0	TO	1928490.0
11	K	1701608.0	TO	1815049.0
12	L	1588167.0	TO	1701608.0
13	M	1474726.0	TO	1588167.0
14	N	1361285.0	TO	1474726.0
15	O	1247844.0	TO	1361285.0
16	P	1134403.0	TO	1247844.0
17	Q	1020962.0	TO	1134403.0
18	R	907521.6	TO	1020962.0
19	S	794080.9	TO	907521.6
20	T	680640.2	TO	794080.9
21	U	567199.6	TO	680640.2
22	V	453758.9	TO	567199.6
23	W	340318.2	TO	453758.9
24	X	226877.5	TO	340318.2
25	Y	113436.8	TO	226877.5
26	Z	-3.9	TO	113436.8
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AREA = 10.75

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	5	64	
CUMULATIVE	100	98	96	95	94	93	92	91	90	89	88	87	87	86	85	84	83	82	81	80	79	77	75	73	69	64	
HELIOSTAT X, Y =	99.000 120.097 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																										
MIR. RADII =	536.00 268.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																										
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																										

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 11:00, TOTAL ENERGY IS : 5679853.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.07 1.67 VERTICAL: -1.65 1.27  
HOTTEST SPOT IS 5520478.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	5308151.0	TD	5520478.0
2		B	5095824.0	TD	5308151.0
3		C	4883497.0	TD	5095824.0
4		D	4671170.0	TD	4883497.0
5		E	4458843.0	TD	4671170.0
6		F	4246516.0	TD	4458843.0
7		G	4034189.0	TD	4246516.0
8		H	3821862.0	TD	4034189.0
9		I	3609535.0	TD	3821862.0
10	ZZZZZ	J	3397208.0	TD	3609535.0
11	ZZZZZZZZZZZZZZ	K	3184881.0	TD	3397208.0
12	ZZZZZZZZZZZZZZZZ	L	2972554.0	TD	3184881.0
13	ZZZZZZZZZZZZZZZZZZ	M	2760227.0	TD	2972554.0
14	ZZZZZZZZZZZZZZZZZZZZ	N	2547900.0	TD	2760227.0
15	ZZZZZZZZZZZZZZZZZZZZZZ	O	2335573.0	TD	2547900.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZ	P	2123246.0	TD	2335573.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1910919.0	TD	2123246.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1698592.0	TD	1910919.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	1486265.0	TD	1698592.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	1273938.0	TD	1486265.0
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	1061611.0	TD	1273938.0
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	849284.9	TD	1061611.0
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W	636958.9	TD	849284.9
24	ZZ	X	424632.8	TD	636958.9
25	ZZ	Y	212306.7	TD	424632.8
26	ZZ	Z	-19.3	TD	212306.7
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AREA = 8.05

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	1	2	3	4	6	65
CUMULATIVE	100	99	98	97	97	96	95	94	93	93	92	91	90	89	88	88	87	86	84	83	81	80	78	75	72	65
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND = 0 ; REC. HT = 10.00																					
MIR. RADII =	410.00	238.00	; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																							
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																									

WSE9011A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 11:00, TOTAL ENERGY IS : 3847004.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.80 1.53 VERTICAL: -1.22 1.07

HOTTEST SPOT IS 5683273.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5464685.0	TD	5683273.0
2	B	5246097.0	TD	5464685.0
3	C	5027509.0	TD	5246097.0
4	D	4808921.0	TD	5027509.0
5	E	4590333.0	TD	4808921.0
6	F	4371745.0	TD	4590333.0
7	G	4153157.0	TD	4371745.0
8	H	3934569.0	TD	4153157.0
9	I	3715981.0	TD	3934569.0
10	J	3497393.0	TD	3715981.0
11	K	3278805.0	TD	3497393.0
12	L	3060217.0	TD	3278805.0
13	M	2841629.0	TD	3060217.0
14	N	2623041.0	TD	2841629.0
15	O	2404453.0	TD	2623041.0
16	P	2185865.0	TD	2404453.0
17	Q	1967277.0	TD	2185865.0
18	R	1748689.0	TD	1967277.0
19	S	1530101.0	TD	1748689.0
20	T	1311513.0	TD	1530101.0
21	U	1092925.0	TD	1311513.0
22	V	874337.6	TD	1092925.0
23	W	655750.2	TD	874337.6
24	X	437162.9	TD	655750.2
25	Y	218575.5	TD	437162.9
26	Z	-11.9	TD	218575.5

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AREA = 5.54

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	4	7	66
CUMULATIVE	100	99	98	97	97	96	95	95	94	93	92	91	91	90	89	88	87	86	86	84	83	81	79	77	73	66
HELIOSTAT X, Y =	72.026		66.000		FIELD RADIUS AND =		0		REC. HT =		33.29															
MIR. RADII =	259.00	189.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		1500															

MSE9010C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 10:00, TOTAL ENERGY IS : 4661608.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.97 1.87 VERTICAL: -1.87 1.84

HOTTEST SPOT IS 2687508.00 AT -.15 .05 RANGES (W/SQ.M)

1	A	2584142.0	TO	2687508.0
2	B	2480776.0	TO	2584142.0
3	C	2377410.0	TO	2480776.0
4	D	2274044.0	TO	2377410.0
5	E	2170678.0	TO	2274044.0
6	F	2067312.0	TO	2170678.0
7	G	1963946.0	TO	2067312.0
8	H	1860580.0	TO	1963946.0
9	I	1757214.0	TO	1860580.0
10	J	1653848.0	TO	1757214.0
11	K	1550482.0	TO	1653848.0
12	L	1447116.0	TO	1550482.0
13	M	1343750.0	TO	1447116.0
14	N	1240384.0	TO	1343750.0
15	O	1137018.0	TO	1240384.0
16	P	1033652.0	TO	1137018.0
17	Q	930286.6	TO	1033652.0
18	R	826920.9	TO	930286.6
19	S	723555.2	TO	826920.9
20	T	620189.6	TO	723555.2
21	U	516823.9	TO	620189.6
22	V	413458.2	TO	516823.9
23	W	310092.5	TO	413458.2
24	X	206726.8	TO	310092.5
25	Y	103361.1	TO	206726.8
26	Z	-4.6	TO	103361.1
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AREA = 11.45

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	6	65
CUMULATIVE	100	98	96	95	94	93	92	91	91	90	89	88	88	87	86	85	84	83	82	81	80	78	76	74	71	65
HELIOSTAT X, Y =	99.000		120.097		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	536.00	268.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR =		100. NO. OF MIRRORS = 2500																		



LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 10:00, TOTAL ENERGY IS : 3609783.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.98 1.61 VERTICAL: -1.31 1.14

HOTTEST SPOT IS 5208325.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5008004.0	TD	5208325.0
2	B	4807683.0	TD	5008004.0
3	C	4607362.0	TD	4807683.0
4	D	4407041.0	TD	4607362.0
5	E	4206720.0	TD	4407041.0
6	F	4006399.0	TD	4206720.0
7	G	3806078.0	TD	4006399.0
8	H	3605757.0	TD	3806078.0
9	I	3405436.0	TD	3605757.0
10	J	3205115.0	TD	3405436.0
11	K	3004794.0	TD	3205115.0
12	L	2804473.0	TD	3004794.0
13	M	2604152.0	TD	2804473.0
14	N	2403831.0	TD	2604152.0
15	O	2203510.0	TD	2403831.0
16	P	2003189.0	TD	2203510.0
17	Q	1802868.0	TD	2003189.0
18	R	1602547.0	TD	1802868.0
19	S	1402226.0	TD	1602547.0
20	T	1201905.0	TD	1402226.0
21	U	1001585.0	TD	1201905.0
22	V	801264.6	TD	1001585.0
23	W	600944.4	TD	801264.6
24	X	400624.2	TD	600944.4
25	Y	200304.1	TD	400624.2
26	Z	-16.1	TD	200304.1
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AREA = 6.48

PERCENT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	1	1	1	1	0	0	1	1	0	0	1	0	0	1	0	1	0	1	1	2	1	2	2	4	6	70

CUMULATIVE 100 99 99 98 97 97 96 95 94 94 94 93 92 92 90 90 89 88 87 86 85 84 82 80 76 70

HELIOSTAT X, Y = 72.026 66.000 ; FIELD RADIUS AND = 0 ; REC. HT = 33.29

MIR. RADII = 259.00 189.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

MSW9012C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 5066522.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.90 2.06 VERTICAL: -1.78 1.53
HOTTEST SPOT IS 2984623.00 AT -.05 .05 RANGES (W/SQ.M)

Table with 5 columns: Line number (1-45), Spot ID (A-Z), Spot Value, TO, and Range (W/SQ.M). Includes various alphanumeric strings and numerical values.

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AREA = 10.82

Summary table with columns A-Z and rows for PERCENT, CUMULATIVE, HELIOSTAT X, Y, MIR. RADII, and JITTER (MRAD).

MSW9012B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 5724811.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.03 1.83 VERTICAL: -1.50 1.22

HOTTEST SPOT IS 5559956.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5346111.0	TO	5559956.0
2	B	5132266.0	TO	5346111.0
3	C	4918421.0	TO	5132266.0
4	D	4704576.0	TO	4918421.0
5	E	4490731.0	TO	4704576.0
6	F	4276886.0	TO	4490731.0
7	G	4063041.0	TO	4276886.0
8	H	3849196.0	TO	4063041.0
9	I	3635351.0	TO	3849196.0
10	J	3421506.0	TO	3635351.0
11	K	3207661.0	TO	3421506.0
12	L	2993816.0	TO	3207661.0
13	M	2779971.0	TO	2993816.0
14	N	2566126.0	TO	2779971.0
15	O	2352281.0	TO	2566126.0
16	P	2138436.0	TO	2352281.0
17	Q	1924591.0	TO	2138436.0
18	R	1710746.0	TO	1924591.0
19	S	1496901.0	TO	1710746.0
20	T	1283056.0	TO	1496901.0
21	U	1069211.0	TO	1283056.0
22	V	855366.6	TO	1069211.0
23	W	641522.1	TO	855366.6
24	X	427677.7	TO	641522.1
25	Y	213833.2	TO	427677.7
26	Z	-11.2	TO	213833.2
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AREA = 7.78

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	3	6	65
CUMULATIVE	100	99	98	97	97	96	95	94	93	93	92	91	90	89	88	87	86	85	84	83	80	79	77	74	71	65
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	410.00	238.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =		Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		2500														



WSW9012A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 3887653.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.69 1.71 VERTICAL: -1.10 1.02  
HOTTEST SPOT IS 5705618.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5486171.0	TO	5705618.0
2	B	5266724.0	TO	5486171.0
3	C	5047277.0	TO	5266724.0
4	D	4827830.0	TO	5047277.0
5	E	4608383.0	TO	4827830.0
6	F	4388936.0	TO	4608383.0
7	G	4169489.0	TO	4388936.0
8	H	3950042.0	TO	4169489.0
9	I	3730595.0	TO	3950042.0
10	J	3511148.0	TO	3730595.0
11	K	3291701.0	TO	3511148.0
12	L	3072254.0	TO	3291701.0
13	M	2852807.0	TO	3072254.0
14	N	2633360.0	TO	2852807.0
15	O	2413913.0	TO	2633360.0
16	P	2194466.0	TO	2413913.0
17	Q	1975019.0	TO	2194466.0
18	R	1755572.0	TO	1975019.0
19	S	1536125.0	TO	1755572.0
20	T	1316678.0	TO	1536125.0
21	U	1097231.0	TO	1316678.0
22	V	877784.2	TO	1097231.0
23	W	658337.4	TO	877784.2
24	X	438890.6	TO	658337.4
25	Y	219443.7	TO	438890.6
26	Z	-3.1	TO	219443.7
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AREA = 5.43

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	3	3	7	66		
CUMULATIVE	100	99	98	97	97	96	95	94	94	93	92	91	90	90	89	88	87	86	85	84	83	81	79	76	73	66		
HELIOSTAT X, Y =	72.026		66.000		; FIELD RADIUS AND =		0		; REC. HT =		33.29																	
MIR. RADII =	259.00	189.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																			
JITTER (MRAD) =	1.0		JITTER IS GAUSSIAN		DISKFILE =		Y		CELLS/MIRROR =		100.														NO. OF MIRRORS =		1500	

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.93 2.01		VERTICAL: -1.85 1.73	
HOTTEST SPOT IS	2955817.00	AT	-05 .05
			RANGES (W/SQ.M)
1		A	2842131.0 TO 2955817.0
2		B	2728445.0 TO 2842131.0
3		C	2614759.0 TO 2728445.0
4		D	2501073.0 TO 2614759.0
5	ZZZZ	E	2387387.0 TO 2501073.0
6	ZZZZZZZZZZ	F	2273701.0 TO 2387387.0
7	ZZZZZZZZZZZZZZ	G	2160015.0 TO 2273701.0
8	ZZZZZZZZZZZZZZZZ	H	2046329.0 TO 2160015.0
9	ZZZZZZZZZZZZZZZZZZ	I	1932643.0 TO 2046329.0
10	ZZZZZZZZZZZZZZZZZZZZ	J	1818957.0 TO 1932643.0
11	ZZZZZZZZZZYYYYZZZZZZZZZZ	K	1705271.0 TO 1818957.0
12	ZZZZZZZZZYXWWWXYYZZZZZZZZZZ	L	1591585.0 TO 1705271.0
13	ZZZZZZZZYXWVUTTTTUMXYZZZZZZZZZZ	M	1477899.0 TO 1591585.0
14	ZZZZZZZZYXVTRQPPQRTVXYZZZZZZZZZZ	N	1364213.0 TO 1477899.0
15	ZZZZZZZZYXVSNMLLLMQBSVXYZZZZZZZZZZ	O	1250527.0 TO 1364213.0
16	ZZZZZZZZYXWTPMKIHIIKMPVXZZZZZZZZZZ	P	1136841.0 TO 1250527.0
17	ZZZZZZZZYXUQLIGFEFEGHJMQUWYZZZZZZZZZZ	Q	1023156.0 TO 1136841.0
18	ZZZZZZZZYXWSNIFDCCCEGJOSVXZZZZZZZZZZ	R	909470.5 TO 1023156.0
19	ZZZZZZZZYXVKGDCBBBCCDEHMQUXYZZZZZZZZZZ	S	795785.2 TO 909470.5
20	ZZZZZZZZZYWUJECBAAAABCDGKPUWYZZZZZZZZZZ	T	682100.0 TO 795785.2
21	ZZZZZZZZZYWTNIEBAAAAABDFJPTWYZZZZZZZZZZ	U	568414.7 TO 682100.0
22	ZZZZZZZZZYXWNTNIEBAAAAABCFJOTWYZZZZZZZZZZ	V	454729.5 TO 568414.7
23	ZZZZZZZZZYXWTOIECAAAAABD6KPTWYZZZZZZZZZZ	W	341044.2 TO 454729.5
24	ZZZZZZZZZYWTPK6DBBAABBCHELQUWYZZZZZZZZZZ	X	227359.0 TO 341044.2
25	ZZZZZZZZZYWUQMIFDCCBCEGJNRVXYZZZZZZZZZZ	Y	113673.7 TO 227359.0
26	ZZZZZZZZZYXVSOLIGEEEF6JMQTWXYZZZZZZZZZZ	Z	-11.5 TO 113673.7
27	ZZZZZZZZZYXWUROLJHHGHIJMPVXYYZZZZZZZZZZ		
28	ZZZZZZZZZYXVTRONLKKLMPVXYYZZZZZZZZZZ		
29	ZZZZZZZZZYXWVTSQPOOPQSUXYYZZZZZZZZZZ		
30	ZZZZZZZZZZZYXVUTSSSSTUVWXYZZZZZZZZZZ		
31	ZZZZZZZZZZZYXWVVVVVWXYZZZZZZZZZZ		
32	ZZZZZZZZZZZZZYXXXXXYZZZZZZZZZZ		
33	ZZZZZZZZZZZZZZZYYYYYYYZZZZZZZZZZ		
34	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ		
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AREA = 11.20

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1	2	3	3	6	64		
CUMULATIVE	100	98	96	95	94	93	92	91	91	90	89	88	87	87	86	85	84	83	82	81	79	78	76	73	70	64		
HELIOSTAT X, Y =	99.000 120.097 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																											
MIR. RADII =	536.00 268.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																											

WSW9011B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 5691581.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.11 1.77 VERTICAL: -1.55 1.31

HOTTEST SPOT IS 5522616.00 AT -.05 .05

RANGES (W/SQ.M)

1	A	5310207.0	TO	5522616.0
2	B	5097798.0	TO	5310207.0
3	C	4885389.0	TO	5097798.0
4	D	4672980.0	TO	4885389.0
5	E	4460571.0	TO	4672980.0
6	F	4248162.0	TO	4460571.0
7	G	4035753.0	TO	4248162.0
8	H	3823344.0	TO	4035753.0
9	I	3610935.0	TO	3823344.0
10	J	3398526.0	TO	3610935.0
11	K	3186117.0	TO	3398526.0
12	L	2973708.0	TO	3186117.0
13	M	2761299.0	TO	2973708.0
14	N	2548890.0	TO	2761299.0
15	O	2336481.0	TO	2548890.0
16	P	2124072.0	TO	2336481.0
17	Q	1911663.0	TO	2124072.0
18	R	1699254.0	TO	1911663.0
19	S	1486845.0	TO	1699254.0
20	T	1274436.0	TO	1486845.0
21	U	1062027.0	TO	1274436.0
22	V	849618.7	TO	1062027.0
23	W	637210.5	TO	849618.7
24	X	424802.2	TO	637210.5
25	Y	212394.0	TO	424802.2
26	Z	-14.3	TO	212394.0

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AREA = 7.99

PERCENT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
CUMULATIVE	100	99	98	97	97	96	95	94	94	92	92	91	90	89	88	88	86	85	84	83	81	80	78	75	72	66

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 410.00 238.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

WSW9011A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 3856012.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.81 1.60 VERTICAL: -1.15 1.04  
HOTTEST SPOT IS 5649305.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5432024.0	TO	5649305.0
2	B	5214743.0	TO	5432024.0
3	C	4997462.0	TO	5214743.0
4	D	4780181.0	TO	4997462.0
5	E	4562900.0	TO	4780181.0
6	F	4345619.0	TO	4562900.0
7	G	4128338.0	TO	4345619.0
8	H	3911057.0	TO	4128338.0
9	I	3693776.0	TO	3911057.0
10	J	3476495.0	TO	3693776.0
11	K	3259214.0	TO	3476495.0
12	L	3041933.0	TO	3259214.0
13	M	2824652.0	TO	3041933.0
14	N	2607371.0	TO	2824652.0
15	O	2390090.0	TO	2607371.0
16	P	2172809.0	TO	2390090.0
17	Q	1955528.0	TO	2172809.0
18	R	1738247.0	TO	1955528.0
19	S	1520966.0	TO	1738247.0
20	T	1303685.0	TO	1520966.0
21	U	1086404.0	TO	1303685.0
22	V	869123.1	TO	1086404.0
23	W	651842.1	TO	869123.1
24	X	434561.2	TO	651842.1
25	Y	217280.2	TO	434561.2
26	Z	-.7	TO	217280.2
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AREA = 5.52

PERCENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1	1	2	3	3	7	66	
CUMULATIVE	100	99	98	97	96	96	95	95	94	93	92	91	91	90	89	88	87	86	85	84	83	81	79	76	73	66
HELIOSTAT X, Y =	72.026		66.000		; FIELD RADIUS		AND = 0		; REC. HT = 33.29																	
MIR. RADII =	259.00	189.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10		METER																	
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 1500																			

MSW9010C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 10:00, TOTAL ENERGY IS : 4702548.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.96 1.97 VERTICAL: -1.81 1.84  
HOTTEST SPOT IS 2690069.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	2586604.0	TO	2690069.0
2		B	2483139.0	TO	2586604.0
3		C	2379674.0	TO	2483139.0
4	ZZZZZ	D	2276209.0	TO	2379674.0
5	ZZZZZZZZ	E	2172744.0	TO	2276209.0
6	ZZZZZZZZZZZZ	F	2069279.0	TO	2172744.0
7	ZZZZZZZZZZZZZZ	G	1965814.0	TO	2069279.0
8	ZZZZZZZZZZZZZZZZ	H	1862349.0	TO	1965814.0
9	ZZZZZZZZZZZZZZZZZZ	I	1758884.0	TO	1862349.0
10	ZZZZZZZZZZZZZZZZZZZZ	J	1655419.0	TO	1758884.0
11	ZZZZZZZZYYYYZZZZZZZZZZ	K	1551954.0	TO	1655419.0
12	ZZZZZZZYXWVWVWVWXYZZZZZZZZZZ	L	1448489.0	TO	1551954.0
13	ZZZZZZZYXWVUTSSTUVWXYZZZZZZZZZZ	M	1345024.0	TO	1448489.0
14	ZZZZZZZYXWUSQPPRPSUMWXYZZZZZZZZZZ	N	1241559.0	TO	1345024.0
15	ZZZZZZZYXWTDQMLLMNPRUWYZZZZZZZZZZ	O	1138094.0	TO	1241559.0
16	ZZZZZZZYXWTPMKIHKKMOSUXYZZZZZZZZZZ	P	1034630.0	TO	1138094.0
17	ZZZZZZZYXWQVMI6FEEFFHJMPTWXYZZZZZZZZZZ	Q	931165.6	TO	1034630.0
18	ZZZZZZZYXWNI6DCCCDEGJNRVXYZZZZZZZZZZ	R	827701.4	TO	931165.6
19	ZZZZZZZYXVRL6DBBBBCDEHLPWYZZZZZZZZZZ	S	724237.2	TO	827701.4
20	ZZZZZZZYXWUPJECAAAAABCDGKOTWYZZZZZZZZZZ	T	620773.1	TO	724237.2
21	ZZZZZZZYXWTOIEBAAAAABDFJOTWXYZZZZZZZZZZ	U	517308.9	TO	620773.1
22	ZZZZZZZYXWTOIEBAAAAABDFJOTWXYZZZZZZZZZZ	V	413844.7	TO	517308.9
23	ZZZZZZZYXWTOJFCBAAAAABDGKPTWXYZZZZZZZZZZ	W	310380.5	TO	413844.7
24	ZZZZZZZYXWTPK6CCBAABBCHELGUWYZZZZZZZZZZ	X	206916.3	TO	310380.5
25	ZZZZZZZYXWUQMJ6ECCCEGJNRVXYZZZZZZZZZZ	Y	103452.1	TO	206916.3
26	ZZZZZZZYXVSP16FEEF6IMPTWXYZZZZZZZZZZ	Z	-12.1	TO	103452.1
27	ZZZZZZZYXWTR0LJIHKKI6MPSVXYZZZZZZZZZZ				
28	ZZZZZZZYXWVTRPMLKLLNPSUWXYZZZZZZZZZZ				
29	ZZZZZZZYXWVTSQPOOPQSUWXYZZZZZZZZZZ				
30	ZZZZZZZYXWVUTSSSSTUVVXYZZZZZZZZZZ				
31	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
32	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
33	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
34	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
35	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
36	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
37	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
38	ZZZZZZZYXWVUTSSSSTUVVWXYZZZZZZZZZZ				
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AREA = 11.54

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	2	3	3	6	65	
CUMULATIVE	100	98	97	95	95	93	93	92	91	90	89	89	88	87	86	85	84	83	83	81	80	78	77	74	71	65
HELIOSTAT X, Y =	99.000 120.097 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																									
MIR. RADII =	536.00 268.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																									
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																									

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.18 1.71 VERTICAL: -1.59 1.38

HOTTEST SPOT IS 5067904.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	4872984.0	TD	5067904.0
2		B	4678064.0	TD	4872984.0
3		C	4483144.0	TD	4678064.0
4		D	4288224.0	TD	4483144.0
5		E	4093304.0	TD	4288224.0
6		F	3898384.0	TD	4093304.0
7		G	3703464.0	TD	3898384.0
8		H	3508544.0	TD	3703464.0
9	ZZZZZZZZ	I	3313624.0	TD	3508544.0
10	ZZZZZZZZZZZZZZZZ	J	3118704.0	TD	3313624.0
11	ZZZZZZZZZZZZZZZZZZ	K	2923784.0	TD	3118704.0
12	ZZZZZZZZZZZZZZZZZZZZ	L	2728864.0	TD	2923784.0
13	ZZZZZZZZZZZZZZZZZZZZZZ	M	2533944.0	TD	2728864.0
14	ZZZZZZZZZZZZZZZZZZZZZZZZ	N	2339024.0	TD	2533944.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	2144104.0	TD	2339024.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	1949184.0	TD	2144104.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1754264.0	TD	1949184.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1559344.0	TD	1754264.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	1364424.0	TD	1559344.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	1169504.0	TD	1364424.0
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	974584.6	TD	1169504.0
22	ZZ	V	779665.2	TD	974584.6
23	ZZ	W	584745.9	TD	779665.2
24	ZZ	X	389826.5	TD	584745.9
25	ZZ	Y	194907.1	TD	389826.5
26	ZZ	Z	-12.3	TD	194907.1
27	ZZ				
28	ZZ				
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AREA = 8.56

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

PERCENT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 1 3 4 6 67

CUMULATIVE 100 99 98 97 97 96 95 95 94 93 92 92 91 90 89 88 87 86 85 84 82 80 79 76 73 67

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00

MIR. RADII = 410.00 238.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.94 1.58 VERTICAL: -1.19 1.08

HOTTEST SPOT IS 5157258.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	4958901.0	TO	5157258.0
2	B	4760544.0	TO	4958901.0
3	C	4562187.0	TO	4760544.0
4	D	4363830.0	TO	4562187.0
5	E	4165473.0	TO	4363830.0
6	F	3967116.0	TO	4165473.0
7	G	3768759.0	TO	3967116.0
8	H	3570402.0	TO	3768759.0
9	I	3372045.0	TO	3570402.0
10	J	3173688.0	TO	3372045.0
11	K	2975331.0	TO	3173688.0
12	L	2776974.0	TO	2975331.0
13	M	2578617.0	TO	2776974.0
14	N	2380260.0	TO	2578617.0
15	D	2181903.0	TO	2380260.0
16	P	1983546.0	TO	2181903.0
17	Q	1785189.0	TO	1983546.0
18	R	1586832.0	TO	1785189.0
19	S	1388475.0	TO	1586832.0
20	T	1190118.0	TO	1388475.0
21	U	991761.9	TO	1190118.0
22	V	793405.9	TO	991761.9
23	W	595049.8	TO	793405.9
24	X	396693.7	TO	595049.8
25	Y	198337.7	TO	396693.7
26	Z	-18.4	TO	198337.7
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AREA = 6.01

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	1	1	1	1	0	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1	1	2	2	4	6	68

CUMULATIVE 100 99 98 98 97 96 96 95 94 93 93 92 91 91 90 89 88 87 86 85 84 82 81 78 74 68

HELIOSTAT X, Y = 72.026 66.000 ; FIELD RADIUS AND = 0 ; REC. HT = 33.29

MIR. RADII = 259.00 189.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (NRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

WSS8512C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 4181020.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.98 1.97 VERTICAL: -1.67 1.51

HOTTEST SPOT IS 2543547.00 AT -.05 -.15 RANGES (W/SQ.M)

1	A	2445718.0	TO	2543547.0
2	B	2347889.0	TO	2445718.0
3	C	2250060.0	TO	2347889.0
4	D	2152231.0	TO	2250060.0
5	E	2054402.0	TO	2152231.0
6	F	1956573.0	TO	2054402.0
7	G	1858744.0	TO	1956573.0
8	H	1760915.0	TO	1858744.0
9	I	1663086.0	TO	1760915.0
10	J	1565257.0	TO	1663086.0
11	K	1467428.0	TO	1565257.0
12	L	1369599.0	TO	1467428.0
13	M	1271770.0	TO	1369599.0
14	N	1173941.0	TO	1271770.0
15	O	1076112.0	TO	1173941.0
16	P	978283.3	TO	1076112.0
17	Q	880454.6	TO	978283.3
18	R	782625.9	TO	880454.6
19	S	684797.2	TO	782625.9
20	T	586968.6	TO	684797.2
21	U	489139.9	TO	586968.6
22	V	391311.2	TO	489139.9
23	W	293482.5	TO	391311.2
24	X	195653.8	TO	293482.5
25	Y	97825.1	TO	195653.8
26	Z	-3.6	TO	97825.1
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AREA = 11.21

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	4	6	64		
CUMULATIVE	100	98	97	96	95	94	93	92	91	91	90	89	88	87	86	85	85	83	82	81	80	78	76	74	70	64		
HELIOSTAT X, Y =	99.000 113.887 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																											
MIR. RADII =	537.00 252.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																											



WSS8512B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 4841876.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.58 1.66 VERTICAL: -1.46 1.27

HOTTEST SPOT IS 4844335.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	4658014.0	TO	4844335.0
2	B	4471693.0	TO	4658014.0
3	C	4285372.0	TO	4471693.0
4	D	4099051.0	TO	4285372.0
5	E	3912730.0	TO	4099051.0
6	F	3726409.0	TO	3912730.0
7	G	3540088.0	TO	3726409.0
8	H	3353767.0	TO	3540088.0
9	I	3167446.0	TO	3353767.0
10	J	2981125.0	TO	3167446.0
11	K	2794804.0	TO	2981125.0
12	L	2608483.0	TO	2794804.0
13	M	2422162.0	TO	2608483.0
14	N	2235841.0	TO	2422162.0
15	O	2049520.0	TO	2235841.0
16	P	1863199.0	TO	2049520.0
17	Q	1676878.0	TO	1863199.0
18	R	1490557.0	TO	1676878.0
19	S	1304236.0	TO	1490557.0
20	T	1117915.0	TO	1304236.0
21	U	931594.4	TO	1117915.0
22	V	745273.9	TO	931594.4
23	W	558953.3	TO	745273.9
24	X	372632.7	TO	558953.3
25	Y	186312.2	TO	372632.7
26	Z	-8.4	TO	186312.2
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	4	6	65
CUMULATIVE	100	99	98	97	96	96	95	94	93	92	91	91	90	89	88	87	86	85	84	82	81	79	77	75	71	65

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 406.00 231.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.41 1.41 VERTICAL: -1.19 1.18

HOTTEST SPOT IS 5083416.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	4887900.0	TO	5083416.0
2	B	4692384.0	TO	4887900.0
3	C	4496868.0	TO	4692384.0
4	D	4301352.0	TO	4496868.0
5	E	4105836.0	TO	4301352.0
6	F	3910320.0	TO	4105836.0
7	G	3714804.0	TO	3910320.0
8	H	3519288.0	TO	3714804.0
9	I	3323772.0	TO	3519288.0
10	J	3128256.0	TO	3323772.0
11	K	2932740.0	TO	3128256.0
12	L	2737224.0	TO	2932740.0
13	M	2541708.0	TO	2737224.0
14	N	2346192.0	TO	2541708.0
15	O	2150676.0	TO	2346192.0
16	P	1955160.0	TO	2150676.0
17	Q	1759644.0	TO	1955160.0
18	R	1564128.0	TO	1759644.0
19	S	1368612.0	TO	1564128.0
20	T	1173096.0	TO	1368612.0
21	U	977580.0	TO	1173096.0
22	V	782064.0	TO	977580.0
23	W	586548.0	TO	782064.0
24	X	391032.0	TO	586548.0
25	Y	195516.0	TO	391032.0
26	Z	.0	TO	195516.0
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AREA = 5.71

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	4	6	67
CUMULATIVE	100	99	98	97	96	95	95	94	94	92	92	91	91	90	89	88	87	87	85	84	83	81	79	77	74	67
HELIOSTAT X, Y =	75.300		69.000		; FIELD RADIUS AND =		0		; REC. HT =		37.00															
MIR. RADII =	262.00	191.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 1500																			

WSS8511C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 4139377.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.95 1.96 VERTICAL: -1.75 1.69

HOTTEST SPOT IS 2517838.00 AT -.05 -.15 RANGES (W/SQ.M)

1	A	2420998.0	TO	2517838.0
2	B	2324158.0	TO	2420998.0
3	C	2227318.0	TO	2324158.0
4	D	2130478.0	TO	2227318.0
5	E	2033638.0	TO	2130478.0
6	F	1936798.0	TO	2033638.0
7	G	1839958.0	TO	1936798.0
8	H	1743118.0	TO	1839958.0
9	I	1646278.0	TO	1743118.0
10	J	1549438.0	TO	1646278.0
11	K	1452598.0	TO	1549438.0
12	L	1355758.0	TO	1452598.0
13	M	1258918.0	TO	1355758.0
14	N	1162078.0	TO	1258918.0
15	O	1065238.0	TO	1162078.0
16	P	968398.1	TO	1065238.0
17	Q	871558.2	TO	968398.1
18	R	774718.4	TO	871558.2
19	S	677878.5	TO	774718.4
20	T	581038.6	TO	677878.5
21	U	484198.7	TO	581038.6
22	V	387358.9	TO	484198.7
23	W	290519.0	TO	387358.9
24	X	193679.1	TO	290519.0
25	Y	96839.3	TO	193679.1
26	Z	-.6	TO	96839.3
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AREA = 11.44

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	6	65
CUMULATIVE	100	98	97	96	95	94	93	92	92	91	90	89	88	87	87	86	85	84	83	81	80	79	77	74	71	65
HELIOSTAT X, Y =	99.000		113.887		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	537.00	252.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																				

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.57 1.70 VERTICAL: -1.56 1.40

HOTTEST SPOT IS 4818403.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	4633079.0	TO	4818403.0
2		B	4447755.0	TO	4633079.0
3		C	4262431.0	TO	4447755.0
4		D	4077107.0	TO	4262431.0
5		E	3891783.0	TO	4077107.0
6		F	3706459.0	TO	3891783.0
7		G	3521135.0	TO	3706459.0
8		H	3335811.0	TO	3521135.0
9	ZZZZZZZZ	I	3150487.0	TO	3335811.0
10	ZZZZZZZZZZZZ	J	2965163.0	TO	3150487.0
11	ZZZZZZZZZZZZZZZZ	K	2779839.0	TO	2965163.0
12	ZZZZZZZZZZZZZZZZZZ	L	2594515.0	TO	2779839.0
13	ZZZZZZZZZZZZZZZZZZZZ	M	2409191.0	TO	2594515.0
14	ZZZZZZZZZZZZZZZZZZZZZZ	N	2223867.0	TO	2409191.0
15	ZZZZZZZZYYYYZZZZZZZZZZZZ	O	2038543.0	TO	2223867.0
16	ZZZZZYXWWWXXYYZZZZZZZZZZZZ	P	1853219.0	TO	2038543.0
17	ZZZZZYWVUSSSUVWXYZZZZZZZZZZ	Q	1667895.0	TO	1853219.0
18	ZZZZZYWUSQDNMORTVXYZZZZZZZZ	R	1482571.0	TO	1667895.0
19	ZZZZZYWURPMKIIJLPSVXYZZZZZZZZ	S	1297247.0	TO	1482571.0
20	ZZZZZYXVSPMJHFEFHKOSVXYZZZZZZZZ	T	1111923.0	TO	1297247.0
21	ZZZZZYXURNKHECBCDFILPTWYZZZZZZZZ	U	926599.8	TO	1111923.0
22	ZZZZZYWTQMIFDBAABDGKOSVXYZZZZZZZZ	V	741276.6	TO	926599.8
23	ZZZZZYWTQMIFCAAABDGJNRUXYZZZZZZZZ	W	555953.4	TO	741276.6
24	ZZZZZYXURNJFCAAABDGKNRUXYZZZZZZZZ	X	370630.2	TO	555953.4
25	ZZZZZYXVSPLEHCBDFILPSVXYZZZZZZZZ	Y	185307.1	TO	370630.2
26	ZZZZZZZYWUROKHEDEFIKORTWXYZZZZZZZZ	Z	-16.1	TO	185307.1
27	ZZZZZZZYXWUSPMJIIKMOQTVXYZZZZZZZZ				
28	ZZZZZZZYXWVTRPOOPORTVWXYZZZZZZZZ				
29	ZZZZZZZZYXXWVUUTTTUWXYZZZZZZZZ				
30	ZZZZZZZZZZYXXWWWXXYYZZZZZZZZZZ				
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AREA = 7.92

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	3	6	67
CUMULATIVE	100	99	98	97	97	96	95	94	94	93	92	91	90	90	89	88	86	86	85	83	82	80	78	76	73	67
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	406.00		231.00		; HELIO SIZE WD, HT =		2.000		2.000		BIN SIZE = .10 METER															
JITTER (MRAD) =	1.0		JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																	



WSS8510C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 10:00, TOTAL ENERGY IS : 3657332.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.99 2.05 VERTICAL: -1.81 1.73  
HOTTEST SPOT IS 2220533.0 AT -.05 -.05 RANGES (W/SQ.M)

1	A	2135127.0	TO	2220533.0
2	B	2049721.0	TO	2135127.0
3	C	1964315.0	TO	2049721.0
4	D	1878909.0	TO	1964315.0
5	E	1793503.0	TO	1878909.0
6	F	1708097.0	TO	1793503.0
7	G	1622691.0	TO	1708097.0
8	H	1537285.0	TO	1622691.0
9	I	1451879.0	TO	1537285.0
10	J	1366473.0	TO	1451879.0
11	K	1281067.0	TO	1366473.0
12	L	1195661.0	TO	1281067.0
13	M	1110255.0	TO	1195661.0
14	N	1024850.0	TO	1110255.0
15	O	939444.9	TO	1024850.0
16	P	854039.8	TO	939444.9
17	Q	768634.7	TO	854039.8
18	R	683229.7	TO	768634.7
19	S	597824.6	TO	683229.7
20	T	512419.6	TO	597824.6
21	U	427014.5	TO	512419.6
22	V	341609.4	TO	427014.5
23	W	256204.4	TO	341609.4
24	X	170799.3	TO	256204.4
25	Y	85394.3	TO	170799.3
26	Z	-10.8	TO	85394.3
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AREA = 12.12

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	1	2	3	6	67
CUMULATIVE	100	98	97	96	95	94	93	93	92	91	90	90	89	88	87	86	86	84	83	83	81	79	78	75	73	67

HELIOSTAT X, Y = 99.000 113.887 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 537.00 252.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.72 1.84 VERTICAL: -1.68 1.46  
HOTTEST SPOT IS 4287859.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	4122941.0	TO	4287859.0
2	B	3958023.0	TO	4122941.0
3	C	3793105.0	TO	3958023.0
4	D	3628187.0	TO	3793105.0
5	E	3463269.0	TO	3628187.0
6	F	3298351.0	TO	3463269.0
7	G	3133433.0	TO	3298351.0
8	H	2968515.0	TO	3133433.0
9	I	2803597.0	TO	2968515.0
10	J	2638679.0	TO	2803597.0
11	K	2473761.0	TO	2638679.0
12	L	2308843.0	TO	2473761.0
13	M	2143925.0	TO	2308843.0
14	N	1979007.0	TO	2143925.0
15	O	1814089.0	TO	1979007.0
16	P	1649171.0	TO	1814089.0
17	Q	1484253.0	TO	1649171.0
18	R	1319335.0	TO	1484253.0
19	S	1154417.0	TO	1319335.0
20	T	989499.4	TO	1154417.0
21	U	824581.7	TO	989499.4
22	V	659664.1	TO	824581.7
23	W	494746.5	TO	659664.1
24	X	329828.9	TO	494746.5
25	Y	164911.2	TO	329828.9
26	Z	-6.4	TO	164911.2
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AREA = 9.01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	0	0	1	1	1	0	1	1	0	1	1	1	1	1	2	1	2	2	3	5	70
CUMULATIVE	100	99	98	98	97	96	95	95	94	93	93	92	91	90	90	89	88	87	86	85	84	82	80	78	75	70

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 406.00 231.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.77 1.75 VERTICAL: -1.30 1.30

HOTTEST SPOT IS 4481601.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	4309231.0	TO	4481601.0
2	B	4136861.0	TO	4309231.0
3	C	3964491.0	TO	4136861.0
4	D	3792121.0	TO	3964491.0
5	E	3619751.0	TO	3792121.0
6	F	3447381.0	TO	3619751.0
7	G	3275011.0	TO	3447381.0
8	H	3102641.0	TO	3275011.0
9	I	2930271.0	TO	3102641.0
10	J	2757901.0	TO	2930271.0
11	K	2585531.0	TO	2757901.0
12	L	2413161.0	TO	2585531.0
13	M	2240791.0	TO	2413161.0
14	N	2068421.0	TO	2240791.0
15	O	1896051.0	TO	2068421.0
16	P	1723681.0	TO	1896051.0
17	Q	1551311.0	TO	1723681.0
18	R	1378941.0	TO	1551311.0
19	S	1206571.0	TO	1378941.0
20	T	1034202.0	TO	1206571.0
21	U	861832.5	TO	1034202.0
22	V	689463.2	TO	861832.5
23	W	517094.0	TO	689463.2
24	X	344724.7	TO	517094.0
25	Y	172355.5	TO	344724.7
26	Z	-13.8	TO	172355.5
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AREA = 7.24

PERCENT	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	1	0	1	0	2	1	1	2	4	5	73
CUMULATIVE	100	99	98	98	97	96	96	95	95	94	93	93	93	92	91	91	90	89	88	88	86	85	84	82	78	73
HELIOSTAT X, Y =	75.300		69.000		FIELD RADIUS AND =		0		REC. HT =		37.00															
MIR. RADII =	262.00	191.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10		METER															
JITTER (MRAD) =	1.0		JITTER IS GAUSSIAN		DISKFILE =		Y		CELLS/MIRROR =		100.		NO. OF MIRRORS =		1500											





WSE8512B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 12:00, TOTAL ENERGY IS : 6240528.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.65 1.80 VERTICAL: -1.57 1.17

HOTTEST SPOT IS 6195238.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	5956959.0	TD	6195238.0
2	B	5718680.0	TD	5956959.0
3	C	5480401.0	TD	5718680.0
4	D	5242122.0	TD	5480401.0
5	E	5003843.0	TD	5242122.0
6	F	4765564.0	TD	5003843.0
7	G	4527285.0	TD	4765564.0
8	H	4289006.0	TD	4527285.0
9	I	4050727.0	TD	4289006.0
10	J	3812448.0	TD	4050727.0
11	K	3574169.0	TD	3812448.0
12	L	3335890.0	TD	3574169.0
13	M	3097611.0	TD	3335890.0
14	N	2859332.0	TD	3097611.0
15	O	2621053.0	TD	2859332.0
16	P	2382774.0	TD	2621053.0
17	Q	2144495.0	TD	2382774.0
18	R	1906216.0	TD	2144495.0
19	S	1667937.0	TD	1906216.0
20	T	1429658.0	TD	1667937.0
21	U	1191379.0	TD	1429658.0
22	V	953100.6	TD	1191379.0
23	W	714822.2	TD	953100.6
24	X	476543.9	TD	714822.2
25	Y	238265.5	TD	476543.9
26	Z	-12.9	TD	238265.5
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AREA = 7.57

PERCENT	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	1	2	3	4	6	64
CUMULATIVE	100	99	98	97	96	96	95	94	93	93	92	90	90	89	88	87	86	85	84	82	81	79	77	74	70	64

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 406.00 231.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

MSE8512A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 12:00, TOTAL ENERGY IS : 4151619.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.65 1.67 VERTICAL: -1.14 1.01

HOTTEST SPOT IS 5866320.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	5640692.0	TO	5866320.0
2	B	5415064.0	TO	5640692.0
3	C	5189436.0	TO	5415064.0
4	D	4963808.0	TO	5189436.0
5	E	4738180.0	TO	4963808.0
6	F	4512552.0	TO	4738180.0
7	G	4286924.0	TO	4512552.0
8	H	4061296.0	TO	4286924.0
9	I	3835668.0	TO	4061296.0
10	J	3610040.0	TO	3835668.0
11	K	3384412.0	TO	3610040.0
12	L	3158784.0	TO	3384412.0
13	M	2933156.0	TO	3158784.0
14	N	2707528.0	TO	2933156.0
15	O	2481900.0	TO	2707528.0
16	P	2256272.0	TO	2481900.0
17	Q	2030644.0	TO	2256272.0
18	R	1805016.0	TO	2030644.0
19	S	1579388.0	TO	1805016.0
20	T	1353760.0	TO	1579388.0
21	U	1128132.0	TO	1353760.0
22	V	902504.3	TO	1128132.0
23	W	676876.6	TO	902504.3
24	X	451248.9	TO	676876.6
25	Y	225621.2	TO	451248.9
26	Z	-6.4	TO	225621.2

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ZZZZZZZYXWUQMJIIKNRUXYZZZZZZZZ

ZZZZZZZYXVRMHFEFIDSWYZZZZZZZZ

ZZZZZZZYXUPJECBBCFKQVXYZZZZZZZZ

ZZZZZZZYXTNHDAABDIPVXYZZZZZZZZ

ZZZZZZZYXTNHDAABDIPVXYZZZZZZZZ

ZZZZZZZYXUOJECBBCFLRVXYZZZZZZZZ

ZZZZZZZYXVRMIFEEFJOSVXYZZZZZZZZ

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ZZZZZZZYXVTQONNPRUWXYZZZZZZZZ

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AREA = 5.54

PERCENT A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

CUMULATIVE 100 99 98 97 96 95 94 94 94 92 91 91 91 90 88 88 87 86 84 83 82 80 78 76 71 65

HELIOSTAT X, Y = 75.300 69.000 ; FIELD RADIUS AND = 0 ; REC. HT = 37.00

MIR. RADII = 262.00 191.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.04 1.98 VERTICAL: -1.78 1.59

HOTTEST SPOT IS 3306484.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	3179311.0	TO	3306484.0
2		B	3052138.0	TO	3179311.0
3		C	2924965.0	TO	3052138.0
4		D	2797792.0	TO	2924965.0
5		E	2670619.0	TO	2797792.0
6		F	2543446.0	TO	2670619.0
7	ZZZZZZZZ	G	2416273.0	TO	2543446.0
8	ZZZZZZZZZZZZZZZZZZ	H	2289100.0	TO	2416273.0
9	ZZZZZZZZZZZZZZZZZZZZ	I	2161927.0	TO	2289100.0
10	ZZZZZZZZZZZZZZZZZZZZZZ	J	2034754.0	TO	2161927.0
11	ZZZZZZZZZZZZZZZZZZZZZZZZ	K	1907581.0	TO	2034754.0
12	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	L	1780408.0	TO	1907581.0
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	1653235.0	TO	1780408.0
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	1526062.0	TO	1653235.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	1398889.0	TO	1526062.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	1271716.0	TO	1398889.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1144543.0	TO	1271716.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1017371.0	TO	1144543.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	890198.1	TO	1017371.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	763025.7	TO	890198.1
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	635853.2	TO	763025.7
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	508680.8	TO	635853.2
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W	381508.4	TO	508680.8
24	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	X	254335.9	TO	381508.4
25	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Y	127163.5	TO	254335.9
26	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Z	-8.9	TO	127163.5
27	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
28	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA = 11.33

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	3	3	6	65
CUMULATIVE	100	98	97	96	95	94	93	92	92	90	90	89	88	87	86	86	85	84	83	82	80	78	77	74	71	65
HELIOSTAT X, Y =	99.000		113.887		FIELD RADIUS AND =		0		REC. HT =		10.00															
MIR. RADII =	537.00		252.00		HELIO SIZE WD, HT =		2.000		2.000		BIN SIZE = .10 METER															
JITTER (MRAD) =	1.0		JITTER IS GAUSSIAN		DISKFILE =		Y		CELLS/MIRROR =		100. NO. OF MIRRORS = 2500															

WSE8511B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 11:00, TOTAL ENERGY IS : 6156966.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.76 1.82 VERTICAL: -1.66 1.27  
HOTTEST SPOT IS 6110168.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	5875161.0	TD	6110168.0
2	B	5640154.0	TD	5875161.0
3	C	5405147.0	TD	5640154.0
4	D	5170140.0	TD	5405147.0
5	E	4935133.0	TD	5170140.0
6	F	4700126.0	TD	4935133.0
7	G	4465119.0	TD	4700126.0
8	H	4230112.0	TD	4465119.0
9	I	3995105.0	TD	4230112.0
10	J	3760098.0	TD	3995105.0
11	K	3525091.0	TD	3760098.0
12	L	3290084.0	TD	3525091.0
13	M	3055077.0	TD	3290084.0
14	N	2820070.0	TD	3055077.0
15	O	2585063.0	TD	2820070.0
16	P	2350056.0	TD	2585063.0
17	Q	2115049.0	TD	2350056.0
18	R	1880042.0	TD	2115049.0
19	S	1645035.0	TD	1880042.0
20	T	1410028.0	TD	1645035.0
21	U	1175021.0	TD	1410028.0
22	V	940014.6	TD	1175021.0
23	W	705008.1	TD	940014.6
24	X	470001.7	TD	705008.1
25	Y	234995.2	TD	470001.7
26	Z	-11.2	TD	234995.2
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AREA = 8.11

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	2	2	3	3	6	66
CUMULATIVE	100	99	98	98	97	96	95	94	94	93	92	91	91	90	89	88	87	86	85	83	82	80	79	75	72	66
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	406.00	231.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		2500															

WSE9511A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 11:00, TOTAL ENERGY IS : 4101308.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.81 1.60 VERTICAL: -1.22 1.07

HOTTEST SPOT IS 5785181.00 AT -.05 -.05

RANGES (W/SQ.M)

1	A	5562674.0	TO	5785181.0
2	B	5340167.0	TO	5562674.0
3	C	5117660.0	TO	5340167.0
4	D	4895153.0	TO	5117660.0
5	E	4672646.0	TO	4895153.0
6	F	4450139.0	TO	4672646.0
7	G	4227632.0	TO	4450139.0
8	H	4005125.0	TO	4227632.0
9	I	3782618.0	TO	4005125.0
10	J	3560111.0	TO	3782618.0
11	K	3337604.0	TO	3560111.0
12	L	3115097.0	TO	3337604.0
13	M	2892590.0	TO	3115097.0
14	N	2670083.0	TO	2892590.0
15	O	2447576.0	TO	2670083.0
16	P	2225069.0	TO	2447576.0
17	Q	2002562.0	TO	2225069.0
18	R	1780055.0	TO	2002562.0
19	S	1557548.0	TO	1780055.0
20	T	1335041.0	TO	1557548.0
21	U	1112534.0	TO	1335041.0
22	V	890027.1	TO	1112534.0
23	W	667520.1	TO	890027.1
24	X	445013.2	TO	667520.1
25	Y	222506.2	TO	445013.2
26	Z	-.7	TO	222506.2
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AREA = 5.83

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	2	1	2	2	4	7	66
CUMULATIVE	100	99	98	97	96	95	95	95	94	93	92	91	91	90	89	88	87	87	85	84	83	81	79	77	73	66
HELIOSTAT X, Y =	75.300		69.000		; FIELD RADIUS AND =		0		; REC. HT =		37.00															
MIR. RADII =	262.00	191.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR = 100. NO. OF MIRRORS = 1500																				

WSE8510C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 10:00, TOTAL ENERGY IS : 4926803.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.13 2.04 VERTICAL: -1.83 1.78

HOTTEST SPOT IS 2988104.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	2873176.0	TO	2988104.0
2	B	2758248.0	TO	2873176.0
3	C	2643320.0	TO	2758248.0
4	D	2528392.0	TO	2643320.0
5	E	2413464.0	TO	2528392.0
6	F	2298536.0	TO	2413464.0
7	G	2183608.0	TO	2298536.0
8	H	2068680.0	TO	2183608.0
9	I	1953752.0	TO	2068680.0
10	J	1838824.0	TO	1953752.0
11	K	1723896.0	TO	1838824.0
12	L	1608968.0	TO	1723896.0
13	M	1494040.0	TO	1608968.0
14	N	1379112.0	TO	1494040.0
15	O	1264184.0	TO	1379112.0
16	P	1149256.0	TO	1264184.0
17	Q	1034329.0	TO	1149256.0
18	R	919401.9	TO	1034329.0
19	S	804474.8	TO	919401.9
20	T	689547.7	TO	804474.8
21	U	574620.7	TO	689547.7
22	V	459693.6	TO	574620.7
23	W	344766.6	TO	459693.6
24	X	229839.5	TO	344766.6
25	Y	114912.4	TO	229839.5
26	Z	-14.6	TO	114912.4

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AREA = 12.02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	3	6	67
CUMULATIVE	100	98	97	96	95	94	93	93	92	91	90	90	89	88	87	86	86	85	84	82	81	80	78	76	72	67
HELIOSTAT X, Y =	99.000		113.887		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	537.00	252.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																				

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.88 1.92 VERTICAL: -1.75 1.43

HOTTEST SPOT IS 5522365.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	5309966.0	TO	5522365.0
2		B	5097567.0	TO	5309966.0
3		C	4885168.0	TO	5097567.0
4		D	4672769.0	TO	4885168.0
5		E	4460370.0	TO	4672769.0
6		F	4247971.0	TO	4460370.0
7		G	4035572.0	TO	4247971.0
8		H	3823173.0	TO	4035572.0
9	ZZZZZZZZZZ	I	3610774.0	TO	3823173.0
10	ZZZZZZZZZZZZZZ	J	3398375.0	TO	3610774.0
11	ZZZZZZZZZZZZZZZZ	K	3185976.0	TO	3398375.0
12	ZZZZZZZZZZZZZZZZZZ	L	2973577.0	TO	3185976.0
13	ZZZZZZZZZZZZZZZZZZZZ	M	2761178.0	TO	2973577.0
14	ZZZZZZZZZZZZZZZZZZZZZZ	N	2548779.0	TO	2761178.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZ	O	2336380.0	TO	2548779.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	2123981.0	TO	2336380.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1911582.0	TO	2123981.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1699183.0	TO	1911582.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	1486784.0	TO	1699183.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	1274385.0	TO	1486784.0
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	1061986.0	TO	1274385.0
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	849587.4	TO	1061986.0
23	ZZ	W	637188.7	TO	849587.4
24	ZZ	X	424790.1	TO	637188.7
25	ZZ	Y	212391.5	TO	424790.1
26	ZZ	Z	-7.1	TO	212391.5
27	ZZ				
28	ZZ				
29	ZZ				
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AREA = 8.92

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	0	1	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	2	2	3	3	6	68
CUMULATIVE	100	99	98	98	97	96	96	95	94	93	93	92	91	91	90	89	88	87	86	85	83	82	80	77	74	68
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS		AND = 0		; REC. HT = 10.00																	
MIR. RADII =	406.00	231.00	; HELIO SIZE		WD, HT = 2.000		2.000		BIN SIZE = .10		METER															
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																			



FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.99 1.73 VERTICAL: -1.31 1.16

HOTTEST SPOT IS 5246342.00 AT -.05 .05 RANGES (W/SQ.M)

1		A	5044559.0	TO	5246342.0
2		B	4842776.0	TO	5044559.0
3		C	4640993.0	TO	4842776.0
4		D	4439210.0	TO	4640993.0
5		E	4237427.0	TO	4439210.0
6		F	4035644.0	TO	4237427.0
7		G	3833861.0	TO	4035644.0
8		H	3632078.0	TO	3833861.0
9		I	3430295.0	TO	3632078.0
10		J	3228512.0	TO	3430295.0
11	ZZZZZZZZ	K	3026729.0	TO	3228512.0
12	ZZZZZZZZZZZZ	L	2824946.0	TO	3026729.0
13	ZZZZZZZZZZZZZZZZ	M	2623163.0	TO	2824946.0
14	ZZZZZZZZZZZZZZZZZZ	N	2421380.0	TO	2623163.0
15	ZZZZZZZZZZZZZZZZZZZZ	O	2219597.0	TO	2421380.0
16	ZZZZZZZZZZZZZZZZZZZZ	P	2017814.0	TO	2219597.0
17	ZZZZZZZZZZZZZZZZZZZZ	Q	1816031.0	TO	2017814.0
18	ZZZZZZZZZZZZZZZZZZZZ	R	1614248.0	TO	1816031.0
19	ZZZZZZZZZZZZZZZZZZZZ	S	1412465.0	TO	1614248.0
20	ZZZZZZZZZZZZZZZZZZZZ	T	1210682.0	TO	1412465.0
21	ZZZZZZZZZZZZZZZZZZZZ	U	1008900.0	TO	1210682.0
22	ZZZZZZZZZZZZZZZZZZZZ	V	807117.2	TO	1008900.0
23	ZZZZZZZZZZZZZZZZZZZZ	W	605334.9	TO	807117.2
24	ZZZZZZZZZZZZZZZZZZZZ	X	403552.5	TO	605334.9
25	ZZZZZZZZZZZZZZZZZZZZ	Y	201770.1	TO	403552.5
26	ZZZZZZZZZZZZZZZZZZZZ	Z	-12.3	TO	201770.1
27	ZZZZZZZZZZZZZZZZZZZZ				
28	ZZZZZZZZZZZZZZZZZZZZ				
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	0	1	1	1	1	1	2	3	3	6	70
CUMULATIVE	100	99	98	97	97	96	96	95	95	94	93	93	92	91	90	90	89	88	87	86	85	84	82	79	76	70

HELIOSTAT X, Y = 75.300 69.000 ; FIELD RADIUS AND = 0 ; REC. HT = 37.00

MIR. RADII = 262.00 191.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.04 2.18 VERTICAL: -1.78 1.57

HOTTEST SPOT IS 3362381.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	3233058.0	TO	3362381.0
2	B	3103735.0	TO	3233058.0
3	C	2974412.0	TO	3103735.0
4	D	2845089.0	TO	2974412.0
5	E	2715766.0	TO	2845089.0
6	F	2586443.0	TO	2715766.0
7	G	2457120.0	TO	2586443.0
8	H	2327797.0	TO	2457120.0
9	I	2198474.0	TO	2327797.0
10	J	2069151.0	TO	2198474.0
11	K	1939828.0	TO	2069151.0
12	L	1810505.0	TO	1939828.0
13	M	1681182.0	TO	1810505.0
14	N	1551859.0	TO	1681182.0
15	O	1422536.0	TO	1551859.0
16	P	1293213.0	TO	1422536.0
17	Q	1163890.0	TO	1293213.0
18	R	1034568.0	TO	1163890.0
19	S	905245.4	TO	1034568.0
20	T	775923.1	TO	905245.4
21	U	646600.7	TO	775923.1
22	V	517278.4	TO	646600.7
23	W	387956.1	TO	517278.4
24	X	258633.8	TO	387956.1
25	Y	129311.5	TO	258633.8
26	Z	-10.8	TO	129311.5
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AREA = 11.45

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	3	6	66		
CUMULATIVE	100	98	97	96	95	94	93	92	92	91	90	89	89	88	87	86	85	84	83	82	81	79	77	74	71	66		
HELIOSTAT X, Y =	99.000 113.887 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																											
MIR. RADII =	537.00 252.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																											



FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.70 1.72 VERTICAL: -1.10 1.03  
HOTTEST SPOT IS 5789394.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5566725.0	TO	5789394.0
2	B	5344056.0	TO	5566725.0
3	C	5121387.0	TO	5344056.0
4	D	4898718.0	TO	5121387.0
5	E	4676049.0	TO	4898718.0
6	F	4453380.0	TO	4676049.0
7	G	4230711.0	TO	4453380.0
8	H	4008042.0	TO	4230711.0
9	I	3785373.0	TO	4008042.0
10	J	3562704.0	TO	3785373.0
11	K	3340035.0	TO	3562704.0
12	L	3117366.0	TO	3340035.0
13	M	2894697.0	TO	3117366.0
14	N	2672028.0	TO	2894697.0
15	O	2449359.0	TO	2672028.0
16	P	2226690.0	TO	2449359.0
17	Q	2004021.0	TO	2226690.0
18	R	1781352.0	TO	2004021.0
19	S	1558683.0	TO	1781352.0
20	T	1336014.0	TO	1558683.0
21	U	1113345.0	TO	1336014.0
22	V	890676.0	TO	1113345.0
23	W	668007.0	TO	890676.0
24	X	445338.0	TO	668007.0
25	Y	222669.0	TO	445338.0
26	Z	.0	TO	222669.0
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AREA = 5.56

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	7	64
CUMULATIVE	100	99	98	97	96	96	95	94	93	92	91	91	90	89	88	88	87	86	84	83	82	81	79	76	71	64	
HELIOSTAT X, Y =	75.300		69.000		; FIELD RADIUS AND = 0		; REC. HT = 37.00																				
MIR. RADII =	262.00	191.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10		METER																		
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 1500																				

WSW8511C

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 5434531.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.08 2.12 VERTICAL: -1.72 1.67

HOTTEST SPOT IS 3329334.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	3201282.0	TD	3329334.0
2	B	3073230.0	TD	3201282.0
3	C	2945178.0	TD	3073230.0
4	D	2817126.0	TD	2945178.0
5	E	2689074.0	TD	2817126.0
6	F	2561022.0	TD	2689074.0
7	G	2432970.0	TD	2561022.0
8	H	2304918.0	TD	2432970.0
9	I	2176866.0	TD	2304918.0
10	J	2048814.0	TD	2176866.0
11	K	1920762.0	TD	2048814.0
12	L	1792710.0	TD	1920762.0
13	M	1664658.0	TD	1792710.0
14	N	1536606.0	TD	1664658.0
15	O	1408554.0	TD	1536606.0
16	P	1280502.0	TD	1408554.0
17	Q	1152450.0	TD	1280502.0
18	R	1024399.0	TD	1152450.0
19	S	896347.5	TD	1024399.0
20	T	768296.2	TD	896347.5
21	U	640245.0	TD	768296.2
22	V	512193.7	TD	640245.0
23	W	384142.5	TD	512193.7
24	X	256091.2	TD	384142.5
25	Y	128040.0	TD	256091.2
26	Z	-11.3	TD	128040.0
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	2	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	2	1	1	2	1	3	3	6	66		
CUMULATIVE	100	98	97	96	95	94	93	93	92	91	90	89	89	88	87	86	85	84	83	82	81	79	77	75	72	66		
HELIOSTAT X, Y =	99.000 113.887 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																											
MIR. RADII =	537.00 252.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																											

WSNB511B

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 6219297.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.77 1.80 VERTICAL: -1.57 1.31

HOTTEST SPOT IS 6084975.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5850937.0	TO	6084975.0
2	B	5616899.0	TO	5850937.0
3	C	5382861.0	TO	5616899.0
4	D	5148823.0	TO	5382861.0
5	E	4914785.0	TO	5148823.0
6	F	4680747.0	TO	4914785.0
7	G	4446709.0	TO	4680747.0
8	H	4212671.0	TO	4446709.0
9	I	3978633.0	TO	4212671.0
10	J	3744595.0	TO	3978633.0
11	K	3510557.0	TO	3744595.0
12	L	3276519.0	TO	3510557.0
13	M	3042481.0	TO	3276519.0
14	N	2808443.0	TO	3042481.0
15	O	2574405.0	TO	2808443.0
16	P	2340367.0	TO	2574405.0
17	Q	2106329.0	TO	2340367.0
18	R	1872291.0	TO	2106329.0
19	S	1638253.0	TO	1872291.0
20	T	1404215.0	TO	1638253.0
21	U	1170177.0	TO	1404215.0
22	V	936139.5	TO	1170177.0
23	W	702102.0	TO	936139.5
24	X	468064.5	TO	702102.0
25	Y	234027.0	TO	468064.5
26	Z	-10.5	TO	234027.0
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AREA = 7.85

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	3	7	64
CUMULATIVE	100	99	98	97	97	96	95	94	94	93	92	91	90	90	89	87	86	85	84	83	81	79	78	74	71	64
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND = 0		; REC. HT = 10.00																			
MIR. RADII =	406.00	231.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																			

MSW8511A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 11:00, TOTAL ENERGY IS : 4105743.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.82 1.61 VERTICAL: -1.10 1.05  
HOTTEST SPOT IS 5743894.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5522975.0	TO	5743894.0
2	B	5302056.0	TO	5522975.0
3	C	5081137.0	TO	5302056.0
4	D	4860218.0	TO	5081137.0
5	E	4639299.0	TO	4860218.0
6	F	4418380.0	TO	4639299.0
7	G	4197461.0	TO	4418380.0
8	H	3976542.0	TO	4197461.0
9	I	3755623.0	TO	3976542.0
10	J	3534704.0	TO	3755623.0
11	K	3313785.0	TO	3534704.0
12	L	3092866.0	TO	3313785.0
13	M	2871947.0	TO	3092866.0
14	N	2651028.0	TO	2871947.0
15	O	2430109.0	TO	2651028.0
16	P	2209190.0	TO	2430109.0
17	Q	1988271.0	TO	2209190.0
18	R	1767352.0	TO	1988271.0
19	S	1546433.0	TO	1767352.0
20	T	1325514.0	TO	1546433.0
21	U	1104595.0	TO	1325514.0
22	V	883676.0	TO	1104595.0
23	W	662757.0	TO	883676.0
24	X	441838.0	TO	662757.0
25	Y	220919.0	TO	441838.0
26	Z	.0	TO	220919.0
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	7	65
CUMULATIVE	100	99	98	97	96	96	95	94	93	93	91	91	90	89	89	88	87	86	85	83	82	81	78	76	72	65

HELIOSTAT X, Y = 75.300 69.000 ; FIELD RADIUS AND = 0 ; REC. HT = 37.00  
MIR. RADII = 262.00 191.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500





FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.85 1.75 VERTICAL: -1.62 1.41

HOTTEST SPOT IS 536862.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	5323905.0	TO	5536862.0
2	B	5110948.0	TO	5323905.0
3	C	4897991.0	TO	5110948.0
4	D	4685034.0	TO	4897991.0
5	E	4472077.0	TO	4685034.0
6	F	4259120.0	TO	4472077.0
7	G	4046163.0	TO	4259120.0
8	H	3833206.0	TO	4046163.0
9	I	3620249.0	TO	3833206.0
10	J	3407292.0	TO	3620249.0
11	K	3194335.0	TO	3407292.0
12	L	2981378.0	TO	3194335.0
13	M	2768421.0	TO	2981378.0
14	N	2555464.0	TO	2768421.0
15	O	2342507.0	TO	2555464.0
16	P	2129550.0	TO	2342507.0
17	Q	1916593.0	TO	2129550.0
18	R	1703636.0	TO	1916593.0
19	S	1490679.0	TO	1703636.0
20	T	1277722.0	TO	1490679.0
21	U	1064765.0	TO	1277722.0
22	V	851808.8	TO	1064765.0
23	W	638852.6	TO	851808.8
24	X	425896.4	TO	638852.6
25	Y	212940.2	TO	425896.4
26	Z	-15.9	TO	212940.2
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PERCENT	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	3	3	6	66	
CUMULATIVE	100	99	98	97	97	96	95	95	94	93	92	92	91	90	89	88	87	86	85	84	82	80	79	76	72	66
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS		AND = 0		; REC. HT = 10.00																	
MIR. RADII =	406.00	231.00	; HELIO SIZE		WD, HT =	2.000	2.000	BIN SIZE = .10		METER																
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																			

WSW8510A

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; -23.45, TIME OF DAY 10:00, TOTAL ENERGY IS : 3803426.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.95 1.58 VERTICAL: -1.13 1.08

HOTTEST SPOT IS 5196073.00 AT -.05 .05 RANGES (W/SQ.M)

1	A	4996224.0	TO	5196073.0
2	B	4796375.0	TO	4996224.0
3	C	4596526.0	TO	4796375.0
4	D	4396677.0	TO	4596526.0
5	E	4196828.0	TO	4396677.0
6	F	3996979.0	TO	4196828.0
7	G	3797130.0	TO	3996979.0
8	H	3597281.0	TO	3797130.0
9	I	3397432.0	TO	3597281.0
10	J	3197583.0	TO	3397432.0
11	K	2997734.0	TO	3197583.0
12	L	2797885.0	TO	2997734.0
13	M	2598036.0	TO	2797885.0
14	N	2398187.0	TO	2598036.0
15	O	2198338.0	TO	2398187.0
16	P	1998489.0	TO	2198338.0
17	Q	1798640.0	TO	1998489.0
18	R	1598791.0	TO	1798640.0
19	S	1398942.0	TO	1598791.0
20	T	1199093.0	TO	1398942.0
21	U	999244.1	TO	1199093.0
22	V	799395.1	TO	999244.1
23	W	599546.2	TO	799395.1
24	X	399697.2	TO	599546.2
25	Y	199848.3	TO	399697.2
26	Z	-.6	TO	199848.3
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PERCENT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
CUMULATIVE	100	99	98	98	96	96	95	95	94	93	92	92	91	90	90	89	88	87	86	85	84	82	80	78	74	67

HELIOSTAT X, Y = 75.300 69.000 ; FIELD RADIUS AND = 0 ; REC. HT = 37.00

MIR. RADII = 262.00 191.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.16 1.93 VERTICAL: -1.82 2.02

HOTTEST SPOT IS 1020782.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	981521.6	TD	1020782.0
2	ZZZZ	B	942260.7	TD	981521.6
3	ZZZZZZZZ	C	902999.9	TD	942260.7
4	ZZZZZZZZZZZZZZZZZZZZ	D	863739.0	TD	902999.9
5	ZZZZZZZZZZZZZZZZZZZZ	E	824478.1	TD	863739.0
6	ZZZZZZZZZZZZZZZZZZZZ	F	785217.2	TD	824478.1
7	ZZZZZZZZZZZZZZZZZZZZ	G	745956.4	TD	785217.2
8	ZZZZZZZZZZZZZZZZZZZZ	H	706695.5	TD	745956.4
9	ZZZZZZZZZZZZZZZZZZZZ	I	667434.6	TD	706695.5
10	ZZZZZZZZZZZZZZZZZZZZ	J	628173.7	TD	667434.6
11	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	K	588912.9	TD	628173.7
12	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	L	549652.0	TD	588912.9
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	510391.1	TD	549652.0
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	471130.2	TD	510391.1
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	431869.4	TD	471130.2
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	392608.5	TD	431869.4
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	353347.6	TD	392608.5
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	314086.7	TD	353347.6
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	274825.9	TD	314086.7
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	235565.0	TD	274825.9
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	196304.1	TD	235565.0
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	157043.2	TD	196304.1
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W	117782.4	TD	157043.2
24	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	X	78521.5	TD	117782.4
25	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Y	39260.6	TD	78521.5
26	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Z	-2	TD	39260.6
27	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
28	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA = 13.29

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	3	4	6	66
CUMULATIVE	100	99	98	98	97	97	96	95	95	94	93	92	92	91	90	89	88	87	86	84	83	81	79	76	72	66
HELIOSTAT X, Y =	99.000 101.626 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																									
MIR. RADII =	395.00 261.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																									
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																									

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.59 1.58 VERTICAL: -1.64 1.32

HOTTEST SPOT IS 3293449.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	3166777.0	TD	3293449.0
2	B	3040105.0	TD	3166777.0
3	C	2913433.0	TD	3040105.0
4	D	2786761.0	TD	2913433.0
5	E	2660089.0	TD	2786761.0
6	F	2533417.0	TD	2660089.0
7	G	2406745.0	TD	2533417.0
8	H	2280073.0	TD	2406745.0
9	I	2153401.0	TD	2280073.0
10	J	2026729.0	TD	2153401.0
11	K	1900057.0	TD	2026729.0
12	L	1773385.0	TD	1900057.0
13	M	1646713.0	TD	1773385.0
14	N	1520041.0	TD	1646713.0
15	O	1393369.0	TD	1520041.0
16	P	1266697.0	TD	1393369.0
17	Q	1140025.0	TD	1266697.0
18	R	1013354.0	TD	1140025.0
19	S	886682.9	TD	1013354.0
20	T	760011.8	TD	886682.9
21	U	633340.7	TD	760011.8
22	V	506669.7	TD	633340.7
23	W	379998.6	TD	506669.7
24	X	253327.6	TD	379998.6
25	Y	126656.5	TD	253327.6
26	Z	-14.6	TD	126656.5
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AREA = 7.45

PERCENT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	7	65

CUMULATIVE 100 99 98 98 97 96 95 94 94 93 92 91 91 90 88 88 86 85 84 84 81 80 78 75 72 65

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00

MIR. RADII = 306.00 245.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 12:00, TOTAL ENERGY IS : 2607831.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.27 1.29 VERTICAL: -1.08 1.23

HOTTEST SPOT IS 3494416.00 AT .05 -.05 RANGES (W/SQ.M)

1		A	3360015.0	TO	3494416.0
2		B	3225614.0	TO	3360015.0
3		C	3091213.0	TO	3225614.0
4		D	2956812.0	TO	3091213.0
5		E	2822411.0	TO	2956812.0
6		F	2688010.0	TO	2822411.0
7		G	2553609.0	TO	2688010.0
8		H	2419208.0	TO	2553609.0
9		I	2284807.0	TO	2419208.0
10		J	2150406.0	TO	2284807.0
11	ZZZZZZZZZZ	K	2016005.0	TO	2150406.0
12	ZZZZZZZZZZZZZZ	L	1881604.0	TO	2016005.0
13	ZZZZZZZZZZZZZZZZ	M	1747203.0	TO	1881604.0
14	ZZZZZZZZZZZZZZZZZZ	N	1612802.0	TO	1747203.0
15	ZZZZZZZZZZZZZZZZZZZZ	O	1478401.0	TO	1612802.0
16	ZZZZZZZZZZZZZZZZZZZZZZ	P	1344000.0	TO	1478401.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1209599.0	TO	1344000.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1075198.0	TO	1209599.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	940797.4	TO	1075198.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	806396.9	TO	940797.4
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	671996.3	TO	806396.9
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	537595.7	TO	671996.3
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W	403195.2	TO	537595.7
24	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	X	268794.6	TO	403195.2
25	ZZ	Y	134394.1	TO	268794.6
26	ZZ	Z	-6.5	TO	134394.1
27	ZZ				
28	ZZ				
29	ZZ				
30	ZZ				
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AREA = 4.95

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	2	1	1	1	0	0	2	1	0	1	1	1	1	1	1	2	1	1	1	2	2	3	4	7	62
CUMULATIVE	100	98	97	96	95	94	93	93	91	90	90	89	88	87	86	85	84	82	81	80	79	78	76	73	69	62
HELIOSTAT X, Y =	84.031		77.000		; FIELD RADIUS AND =		0		; REC. HT =		39.00															
MIR. RADII =	240.00	216.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =																1500	

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.09 1.96 VERTICAL: -2.08 2.15  
 HOTTEST SPOT IS 924944.60 AT -0.05 -0.05 RANGES (W/SQ.M)

1	ZZZZZZ	A	889369.8	TO	924944.6
2	ZZZZZZZZZZ	B	853795.0	TO	889369.8
3	ZZZZZZZZZZZZ	C	818220.2	TO	853795.0
4	ZZZZZZZZZZZZZZZZ	D	782645.4	TO	818220.2
5	ZZZZZZZZZZZZZZZZZZ	E	747070.6	TO	782645.4
6	ZZZZZZZZZZZZZZZZZZZZ	F	711495.7	TO	747070.6
7	ZZZZZZZZZZZZZZZZZZZZZZ	G	675920.9	TO	711495.7
8	ZZZZZZZZZZZZZZZZZZZZZZZZ	H	640346.1	TO	675920.9
9	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	I	604771.3	TO	640346.1
10	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	J	569196.5	TO	604771.3
11	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	K	533621.7	TO	569196.5
12	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	L	498046.9	TO	533621.7
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	462472.1	TO	498046.9
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	426897.2	TO	462472.1
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	391322.4	TO	426897.2
16	ZZ	P	355747.6	TO	391322.4
17	ZZ	Q	320172.8	TO	355747.6
18	ZZ	R	284598.0	TO	320172.8
19	ZZ	S	249023.2	TO	284598.0
20	ZZ	T	213448.4	TO	249023.2
21	ZZ	U	177873.6	TO	213448.4
22	ZZ	V	142298.7	TO	177873.6
23	ZZ	W	106723.9	TO	142298.7
24	ZZ	X	71149.1	TO	106723.9
25	ZZ	Y	35574.3	TO	71149.1
26	ZZ	Z	-0.5	TO	35574.3
27	ZZ				
28	ZZ				
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AREA = 13.39

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	2	1	2	2	3	4	7	65	
CUMULATIVE	100	99	99	98	97	97	96	95	95	94	93	93	92	91	90	89	88	87	86	84	83	81	79	76	72	65	
HELIOSTAT X, Y =	99.000 101.626 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																										
MIR. RADII =	395.00 261.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																										
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																										

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.50 1.65 VERTICAL: -1.73 1.41

HOTTEST SPOT IS 3265261.00 AT -.05 -.05

RANGES (W/SQ.M)

1		A	3139674.0	TO	3265261.0
2		B	3014087.0	TO	3139674.0
3		C	2888500.0	TO	3014087.0
4		D	2762913.0	TO	2888500.0
5		E	2637326.0	TO	2762913.0
6		F	2511739.0	TO	2637326.0
7		G	2386152.0	TO	2511739.0
8		H	2260565.0	TO	2386152.0
9	ZZZZZZZZ	I	2134978.0	TO	2260565.0
10	ZZZZZZZZZZZZ	J	2009391.0	TO	2134978.0
11	ZZZZZZZZZZZZZZZZ	K	1883804.0	TO	2009391.0
12	ZZZZZZZZZZZZZZZZZZ	L	1758217.0	TO	1883804.0
13	ZZZZZZZZZZZZZZZZZZZZ	M	1632630.0	TO	1758217.0
14	ZZZZZZZZZZZZZZZZZZZZZZ	N	1507043.0	TO	1632630.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZ	O	1381456.0	TO	1507043.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	1255869.0	TO	1381456.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1130282.0	TO	1255869.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1004695.0	TO	1130282.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	879108.1	TO	1004695.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	753521.2	TO	879108.1
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	627934.2	TO	753521.2
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	502347.3	TO	627934.2
23	ZZ	W	376760.4	TO	502347.3
24	ZZ	X	251173.4	TO	376760.4
25	ZZ	Y	125586.5	TO	251173.4
26	ZZ	Z	-.4	TO	125586.5
27	ZZ				
28	ZZ				
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AREA = 7.66

PERCENT	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	3	4	7	65
CUMULATIVE	100	99	98	98	97	96	95	94	94	93	92	92	91	90	89	88	87	86	84	84	82	80	79	76	72	65

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 306.00 245.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500





LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; 23.45, TIME OF DAY 10:00, TOTAL ENERGY IS : 1807992.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.12 1.95 VERTICAL: -2.17 2.24

HOTTEST SPOT IS 701608.40 AT -.05 -.05 RANGES (W/SQ.M)

1	ZZZZZZZZZZ	A	674623.4	TO	701608.4
2	ZZZZZZZZZZZZ	B	647638.5	TO	674623.4
3	ZZZZZZZZZZZZZZ	C	620653.6	TO	647638.5
4	ZZZZZZZZZZZZZZZZ	D	593668.6	TO	620653.6
5	ZZZZZZZZZZZZZZZZZZ	E	566683.7	TO	593668.6
6	ZZZZZZZZZZZZZZZZZZZZ	F	539698.7	TO	566683.7
7	ZZZZZZZZZZZZZZZZZZZZZZ	G	512713.8	TO	539698.7
8	ZZZZZZZZZZZZZZZZZZZZZZZZ	H	485728.9	TO	512713.8
9	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	I	458743.9	TO	485728.9
10	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	J	431759.0	TO	458743.9
11	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	K	404774.1	TO	431759.0
12	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	L	377789.1	TO	404774.1
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	350804.2	TO	377789.1
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	323819.2	TO	350804.2
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	296834.3	TO	323819.2
16	ZZ	P	269849.4	TO	296834.3
17	ZZ	Q	242864.4	TO	269849.4
18	ZZ	R	215879.5	TO	242864.4
19	ZZ	S	188894.6	TO	215879.5
20	ZZ	T	161909.6	TO	188894.6
21	ZZ	U	134924.7	TO	161909.6
22	ZZ	V	107939.7	TO	134924.7
23	ZZ	W	80954.8	TO	107939.7
24	ZZ	X	53969.9	TO	80954.8
25	ZZ	Y	26985.0	TO	53969.9
26	ZZ	Z	.0	TO	26985.0
27	ZZ				
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AREA = 13.95

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	2	2	3	3	4	7	66
CUMULATIVE	100	99	99	98	97	97	96	95	94	94	94	93	92	91	90	89	89	88	87	85	84	82	80	77	73	66

HELIOSTAT X, Y = 99.000 101.626 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
MIR. RADII = 395.00 261.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.66 1.69 VERTICAL: -1.80 1.48  
 HOTTEST SPOT IS 2644637.00 AT -0.05 -0.05

		RANGES (W/SQ.M)
1		
2	A	2542920.0 TO 2644637.0
3	B	2441203.0 TO 2542920.0
4	C	2339486.0 TO 2441203.0
5	D	2237769.0 TO 2339486.0
6	E	2136052.0 TO 2237769.0
7	F	2034335.0 TO 2136052.0
8	G	1932618.0 TO 2034335.0
9	H	1830901.0 TO 1932618.0
10	I	1729184.0 TO 1830901.0
11	J	1627467.0 TO 1729184.0
12	K	1525750.0 TO 1627467.0
13	L	1424033.0 TO 1525750.0
14	M	1322316.0 TO 1424033.0
15	N	1220599.0 TO 1322316.0
16	O	1118882.0 TO 1220599.0
17	P	1017165.0 TO 1118882.0
18	Q	915448.5 TO 1017165.0
19	R	813731.7 TO 915448.5
20	S	712015.0 TO 813731.7
21	T	610298.2 TO 712015.0
22	U	508581.5 TO 610298.2
23	V	406864.7 TO 508581.5
24	W	305148.0 TO 406864.7
25	X	203431.2 TO 305148.0
26	Y	101714.5 TO 203431.2
27	Z	-2.3 TO 101714.5
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AREA = 8.62

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	3	6	69		
CUMULATIVE	100	99	98	98	97	97	96	95	95	94	93	93	92	91	90	89	89	88	86	85	84	82	80	78	74	69		
HELIOSTAT X, Y =	99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																											
MIR. RADII =	306.00 245.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																											

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.94 1.69 VERTICAL: -1.68 1.88  
 HOTTEST SPOT IS 2935103.00 AT -.05 -.15 RANGES (W/SQ.M)

1	A	2822214.0	TO	2935103.0
2	B	2709325.0	TO	2822214.0
3	C	2596436.0	TO	2709325.0
4	D	2483547.0	TO	2596436.0
5	E	2370658.0	TO	2483547.0
6	F	2257769.0	TO	2370658.0
7	G	2144880.0	TO	2257769.0
8	H	2031991.0	TO	2144880.0
9	I	1919102.0	TO	2031991.0
10	J	1806213.0	TO	1919102.0
11	K	1693324.0	TO	1806213.0
12	L	1580435.0	TO	1693324.0
13	M	1467546.0	TO	1580435.0
14	N	1354657.0	TO	1467546.0
15	O	1241768.0	TO	1354657.0
16	P	1128879.0	TO	1241768.0
17	Q	1015990.0	TO	1128879.0
18	R	903101.9	TO	1015990.0
19	S	790213.3	TO	903101.9
20	T	677324.7	TO	790213.3
21	U	564436.2	TO	677324.7
22	V	451547.6	TO	564436.2
23	W	338659.1	TO	451547.6
24	X	225770.5	TO	338659.1
25	Y	112881.9	TO	225770.5
26	Z	-6.6	TO	112881.9

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 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 PERCENT 2 1 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 2 2 3 5 70  
 CUMULATIVE 100 98 98 97 96 95 95 94 93 93 92 91 91 90 89 88 88 87 85 84 83 82 80 78 75 70  
 HELIOSTAT X, Y = 99.000 101.626 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00  
 MIR. RADII = 395.00 261.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
 JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.57 1.49 VERTICAL: -1.24 1.30  
 HOTTEST SPOT IS 3080792.00 AT .05 -.05

		RANGES (W/SQ.M)
1		
2		A 2962300.0 TO 3080792.0
3		B 2843808.0 TO 2962300.0
4		C 2725316.0 TO 2843808.0
5		D 2606824.0 TO 2725316.0
6		E 2488332.0 TO 2606824.0
7		F 2369840.0 TO 2488332.0
8		G 2251348.0 TO 2369840.0
9		H 2132856.0 TO 2251348.0
10		I 2014364.0 TO 2132856.0
11	ZZZZZZZ	J 1895872.0 TO 2014364.0
12	ZZZZZZZZZZZZ	K 1777380.0 TO 1895872.0
13	ZZZZZZZZZZZZZZ	L 1658888.0 TO 1777380.0
14	ZZZZZZZZZZZZZZZZ	M 1540396.0 TO 1658888.0
15	ZZZZZZZZZZZZZZZZZZ	N 1421904.0 TO 1540396.0
16	ZZZZZZZZZZZZZZZZZZZZ	O 1303412.0 TO 1421904.0
17	ZZZZZZZZZZZZZZZZZZZZZZ	P 1184920.0 TO 1303412.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZ	Q 1066428.0 TO 1184920.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZ	R 947936.0 TO 1066428.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S 829444.0 TO 947936.0
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T 710952.0 TO 829444.0
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U 592460.0 TO 710952.0
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V 473968.0 TO 592460.0
24	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W 355476.0 TO 473968.0
25	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	X 236984.0 TO 355476.0
26	ZZ	Y 118492.0 TO 236984.0
27	ZZ	Z .0 TO 118492.0
28	ZZ	
29	ZZ	
30	ZZ	
31	ZZ	
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AREA = 6.17

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
PERCENT	1	1	1	1	0	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	3	2	4	6	67		
CUMULATIVE	100	99	98	97	96	95	95	94	93	92	92	91	90	90	89	88	87	86	85	84	83	82	79	77	73	67		
HELIOSTAT X, Y =	84.031 77.000 ; FIELD RADIUS AND = 0 ; REC. HT = 39.00																											
MIR. RADII =	240.00 216.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																											
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500																											

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.47 1.46 VERTICAL: -1.49 1.18  
HOTTEST SPOT IS 5950470.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	5721605.0	TO	5950470.0
2		B	5492740.0	TO	5721605.0
3		C	5263875.0	TO	5492740.0
4		D	5035010.0	TO	5263875.0
5		E	4806145.0	TO	5035010.0
6		F	4577280.0	TO	4806145.0
7		G	4348415.0	TO	4577280.0
8		H	4119550.0	TO	4348415.0
9		I	3890685.0	TO	4119550.0
10		J	3661820.0	TO	3890685.0
11	ZZZZZZ	K	3432955.0	TO	3661820.0
12	ZZZZZZZZZZZZZZZZZZZZ	L	3204090.0	TO	3432955.0
13	ZZZZZZZZZZZZZZZZZZZZ	M	2975225.0	TO	3204090.0
14	ZZZZZZZZZZZZZZZZZZZZ	N	2746360.0	TO	2975225.0
15	ZZZZZZZZZZZZZZZZZZZZ	O	2517495.0	TO	2746360.0
16	ZZZZZZZZZZYXXXYZZZZZZ	P	2288630.0	TO	2517495.0
17	ZZZZZZZZZYXWVUTTUWVXYZZZZZZZ	Q	2059765.0	TO	2288630.0
18	ZZZZZZZZYXWUSQPPOPRVXYZZZZZZ	R	1830900.0	TO	2059765.0
19	ZZZZZZZZYWTROLJIIJLORUXYZZZZZ	S	1602035.0	TO	1830900.0
20	ZZZZZZZZYXURNKHFEFIKOSVXYZZZZZ	T	1373170.0	TO	1602035.0
21	ZZZZZZZZYXWNSPLHECBBDFILPTWYZZZZZ	U	1144305.0	TO	1373170.0
22	ZZZZZZZZYXVRNJFDBAABEHKOSVYZZZZZ	V	915440.8	TO	1144305.0
23	ZZZZZZZZYXVRNJFCAABDGGKOSVYZZZZZ	W	686576.6	TO	915440.8
24	ZZZZZZZZYXVSNJGDAABEHLPTVXYZZZZZ	X	457712.4	TO	686576.6
25	ZZZZZZZZYXWNTPLIECBBDFJNQWVYZZZZZ	Y	228848.2	TO	457712.4
26	ZZZZZZZZYXVSOLIFFGJMQTVXYZZZZZ	Z	-15.9	TO	228848.2
27	ZZZZZZZZYXVSPNKJKLQOTVXYZZZZZZZ				
28	ZZZZZZZZYXVUSRQORTUMWXYZZZZZZZ				
29	ZZZZZZZZYXWVWVWVWXYZZZZZZZZZ				
30	ZZZZZZZZZZYYYYYYYYZZZZZZZZZZ				
31	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA = 6.93

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PERCENT 1 1 0 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 2 2 4 5 67

CUMULATIVE 100 99 98 97 97 96 94 94 93 92 91 90 89 89 88 87 86 85 84 83 81 80 78 76 72 67

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00

MIR. RADII = 306.00 245.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

LATITUDE OF SITE : 33.0, SOLAR DECLINATION ; .00, TIME OF DAY 12:00, TOTAL ENERGY IS : 3865624.00

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.40 1.35 VERTICAL: -1.06 1.07

HOTTEST SPOT IS 5227206.00 AT .05 -.05 RANGES (W/SQ.M)

1	A	5026159.0	TD	5227206.0
2	B	4825112.0	TD	5026159.0
3	C	4624065.0	TD	4825112.0
4	D	4423018.0	TD	4624065.0
5	E	4221971.0	TD	4423018.0
6	F	4020924.0	TD	4221971.0
7	G	3819877.0	TD	4020924.0
8	H	3618830.0	TD	3819877.0
9	I	3417783.0	TD	3618830.0
10	J	3216736.0	TD	3417783.0
11	K	3015689.0	TD	3216736.0
12	L	2814642.0	TD	3015689.0
13	M	2613595.0	TD	2814642.0
14	N	2412548.0	TD	2613595.0
15	O	2211501.0	TD	2412548.0
16	P	2010454.0	TD	2211501.0
17	Q	1809407.0	TD	2010454.0
18	R	1608360.0	TD	1809407.0
19	S	1407313.0	TD	1608360.0
20	T	1206266.0	TD	1407313.0
21	U	1005220.0	TD	1206266.0
22	V	804173.2	TD	1005220.0
23	W	603126.9	TD	804173.2
24	X	402080.5	TD	603126.9
25	Y	201034.1	TD	402080.5
26	Z	-12.3	TD	201034.1
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AREA = 4.87

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
PERCENT 3 1 2 1 1 0 1 2 1 0 0 1 2 0 1 1 1 1 1 2 1 3 3 3 7 62

CUMULATIVE 100 97 97 95 94 93 93 92 90 90 89 89 88 86 86 85 84 83 82 80 79 78 75 72 69 62

HELIOSTAT X, Y = 84.031 77.000 ; FIELD RADIUS AND = 0 ; REC. HT = 39.00

MIR. RADII = 240.00 216.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.90 1.83 VERTICAL: -1.75 1.92  
HOTTEST SPOT IS 2964667.00 AT -.05 -.15 RANGES (W/SQ.M)

1	A	2850641.0	TO	2964667.0
2	B	2736615.0	TO	2850641.0
3	C	2622589.0	TO	2736615.0
4	D	2508563.0	TO	2622589.0
5	E	2394537.0	TO	2508563.0
6	F	2280511.0	TO	2394537.0
7	G	2166485.0	TO	2280511.0
8	H	2052459.0	TO	2166485.0
9	I	1938433.0	TO	2052459.0
10	J	1824407.0	TO	1938433.0
11	K	1710381.0	TO	1824407.0
12	L	1596355.0	TO	1710381.0
13	M	1482329.0	TO	1596355.0
14	N	1368303.0	TO	1482329.0
15	O	1254277.0	TO	1368303.0
16	P	1140251.0	TO	1254277.0
17	Q	1026225.0	TO	1140251.0
18	R	912199.7	TO	1026225.0
19	S	798174.1	TO	912199.7
20	T	684148.5	TO	798174.1
21	U	570122.9	TO	684148.5
22	V	456097.2	TO	570122.9
23	W	342071.6	TO	456097.2
24	X	228046.0	TO	342071.6
25	Y	114020.4	TO	228046.0
26	Z	-5.3	TO	114020.4
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AREA = 12.25

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	5	70
CUMULATIVE	100	99	98	97	96	95	95	94	93	93	92	91	91	90	89	88	87	87	86	84	84	82	80	78	75	70
HELIOSTAT X, Y =	99.000		101.626		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	395.00	261.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10	METER																
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS =		2500																





FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.53 1.49 VERTICAL: -1.10 1.06  
HOTTEST SPOT IS 5185590.00 AT -.05 -.05 RANGES (W/SB.M)

1	A	4986144.0	TD	5185590.0
2	B	4786698.0	TD	4986144.0
3	C	4587252.0	TD	4786698.0
4	D	4387806.0	TD	4587252.0
5	E	4188360.0	TD	4387806.0
6	F	3988914.0	TD	4188360.0
7	G	3789468.0	TD	3988914.0
8	H	3590022.0	TD	3789468.0
9	I	3390576.0	TD	3590022.0
10	J	3191130.0	TD	3390576.0
11	K	2991684.0	TD	3191130.0
12	L	2792238.0	TD	2991684.0
13	M	2592792.0	TD	2792238.0
14	N	2393346.0	TD	2592792.0
15	O	2193900.0	TD	2393346.0
16	P	1994454.0	TD	2193900.0
17	Q	1795008.0	TD	1994454.0
18	R	1595562.0	TD	1795008.0
19	S	1396116.0	TD	1595562.0
20	T	1196670.0	TD	1396116.0
21	U	997224.2	TD	1196670.0
22	V	797778.5	TD	997224.2
23	W	598332.7	TD	797778.5
24	X	398887.0	TD	598332.7
25	Y	199441.2	TD	398887.0
26	Z	-4.5	TD	199441.2
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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	2	1	2	0	1	0	1	2	0	1	0	1	1	1	1	1	1	1	1	2	2	2	2	3	6	65
CUMULATIVE	100	98	97	95	95	94	94	93	91	91	90	89	88	87	86	85	84	83	82	81	79	77	74	71	65	

HELIOSTAT X, Y = 84.031 77.000 ; FIELD RADIUS AND = 0 ; REC. HT = 39.00  
MIR. RADII = 240.00 216.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER  
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.25 1.97 VERTICAL: -1.83 1.91  
HOTTEST SPOT IS 2735160.00 AT -.05 -.15 RANGES (W/SQ.M)

1		A	2629961.0	TD	2735160.0
2		B	2524762.0	TD	2629961.0
3	zzz	C	2419563.0	TD	2524762.0
4	zzzzzzzzzz	D	2314364.0	TD	2419563.0
5	zzzzz zzzzzzzzzzzzzzzzzzz	E	2209165.0	TD	2314364.0
6	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	F	2103966.0	TD	2209165.0
7	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	G	1998767.0	TD	2103966.0
8	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	H	1893568.0	TD	1998767.0
9	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	I	1788369.0	TD	1893568.0
10	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	J	1683170.0	TD	1788369.0
11	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	K	1577971.0	TD	1683170.0
12	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	L	1472772.0	TD	1577971.0
13	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	M	1367573.0	TD	1472772.0
14	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N	1262374.0	TD	1367573.0
15	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	O	1157175.0	TD	1262374.0
16	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	P	1051976.0	TD	1157175.0
17	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	Q	946777.6	TD	1051976.0
18	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	R	841579.1	TD	946777.6
19	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	S	736380.7	TD	841579.1
20	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	T	631182.2	TD	736380.7
21	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	U	525983.8	TD	631182.2
22	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	V	420785.4	TD	525983.8
23	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	W	315586.9	TD	420785.4
24	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	X	210388.5	TD	315586.9
25	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	Y	105190.1	TD	210388.5
26	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	Z	-8.4	TD	105190.1
27	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz				
28	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz				
29	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzz				
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AREA = 12.50

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	2	2	3	6	70	
CUMULATIVE	100	99	98	97	96	95	95	94	93	93	92	91	91	90	89	88	88	87	86	85	84	83	81	79	76	70	
HELIOSTAT X, Y =	99.000		101.626		; FIELD RADIUS AND = 0 ; REC. HT = 10.00																						
MIR. RADII =	395.00	261.00	; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																								
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																										



FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.77 1.65 VERTICAL: -1.20 1.03

HOTTEST SPOT IS 4748072.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	4565453.0	TD	4748072.0
2		B	4382834.0	TD	4565453.0
3		C	4200215.0	TD	4382834.0
4		D	4017596.0	TD	4200215.0
5		E	3834977.0	TD	4017596.0
6		F	3652358.0	TD	3834977.0
7		G	3469739.0	TD	3652358.0
8		H	3287120.0	TD	3469739.0
9		I	3104501.0	TD	3287120.0
10		J	2921882.0	TD	3104501.0
11		K	2739263.0	TD	2921882.0
12		L	2556644.0	TD	2739263.0
13	ZZZZZZZZZZZZZZZZZZ	M	2374025.0	TD	2556644.0
14	ZZZZZZZZZZZZZZZZZZ	N	2191406.0	TD	2374025.0
15	ZZZZZZZZZZZZZZZZZZ	O	2008787.0	TD	2191406.0
16	ZZZZZZZZYXYZZZZZZZZZZ	P	1826168.0	TD	2008787.0
17	ZZZZZZZZYVUTVWVYZZZZZZZZZZ	Q	1643549.0	TD	1826168.0
18	ZZZZZZZZYVSOONQSVXYZZZZZZZZZZ	R	1460930.0	TD	1643549.0
19	ZZZZZZZZYVSDLIHJNRVXYZZZZZZZZZZ	S	1278311.0	TD	1460930.0
20	ZZZZZZZZYXTPKGEDDEINSVXZZZZZZZZZZ	T	1095692.0	TD	1278311.0
21	ZZZZZZZZYWSMHDBAABEKQUXYZZZZZZZZZZ	U	913073.9	TD	1095692.0
22	ZZZZZZZZZYVRLFCAAAACHOTWYZZZZZZZZZZ	V	730455.7	TD	913073.9
23	ZZZZZZZZZYXWRLFCAAAADHNTWYZZZZZZZZZZ	W	547837.6	TD	730455.7
24	ZZZZZZZZZYWTMGCBAABEJOUXYZZZZZZZZZZ	X	365219.5	TD	547837.6
25	ZZZZZZZZZYWUQKFCDEHMVXYZZZZZZZZZZ	Y	182601.4	TD	365219.5
26	ZZZZZZZZZYXWTPKHGJMPTWXYZZZZZZZZZZ	Z	-16.8	TD	182601.4
27	ZZZZZZZZZYXWTPKHGJMPTWXYZZZZZZZZZZ				
28	ZZZZZZZZZYXVTSSTVWXYZZZZZZZZZZ				
29	ZZZZZZZZZYXYXXXYZZZZZZZZZZ				
30	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
31	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
32	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA =	5.90
PERCENT	2 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 4 7 67
CUMULATIVE	100 98 97 96 95 95 94 94 92 92 91 91 90 89 88 87 87 86 85 84 82 81 79 77 74 67
HELIOSTAT X, Y =	84.031 77.000 ; FIELD RADIUS AND = 0 ; REC. HT = 39.00
MIR. RADII =	240.00 216.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER
JITTER (MRAD) =	1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.03 1.79 VERTICAL: -1.63 1.72
HOTTEST SPOT IS 4279950.00 AT .05 -.05 RANGES (W/SQ.M)

Table with 6 columns: Line number (1-45), Spot ID (A-Z), Intensity (e.g., 4115336.0), and Range (e.g., TO 4279950.0). Includes various alphanumeric strings for spot IDs.

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AREA = 11.98

Summary table with columns A-Z and values for PERCENT, CUMULATIVE, HELIOSTAT X, Y, MIR. RADII, and JITTER.

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.53 1.50 VERTICAL: -1.43 1.04

HOTTEST SPOT IS 7444278.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	7157959.0	TD	7444278.0
2	B	6871640.0	TD	7157959.0
3	C	6585321.0	TD	6871640.0
4	D	6299002.0	TD	6585321.0
5	E	6012683.0	TD	6299002.0
6	F	5726364.0	TD	6012683.0
7	G	5440045.0	TD	5726364.0
8	H	5153726.0	TD	5440045.0
9	I	4867407.0	TD	5153726.0
10	J	4581088.0	TD	4867407.0
11	K	4294769.0	TD	4581088.0
12	L	4008450.0	TD	4294769.0
13	M	3722131.0	TD	4008450.0
14	N	3435812.0	TD	3722131.0
15	O	3149493.0	TD	3435812.0
16	P	2863174.0	TD	3149493.0
17	Q	2576855.0	TD	2863174.0
18	R	2290536.0	TD	2576855.0
19	S	2004217.0	TD	2290536.0
20	T	1717898.0	TD	2004217.0
21	U	1431579.0	TD	1717898.0
22	V	1145260.0	TD	1431579.0
23	W	858941.6	TD	1145260.0
24	X	572623.2	TD	858941.6
25	Y	286304.9	TD	572623.2
26	Z	-13.5	TD	286304.9
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AREA = 6.47

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	2	2	2	3	3	6	64
CUMULATIVE	100	99	98	97	96	95	95	93	92	92	91	90	89	88	87	86	85	83	82	81	80	78	76	73	70	64
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	306.00	245.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE = Y		CELLS/MIRROR = 100.		NO. OF MIRRORS = 2500																		



FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.07 1.88 VERTICAL: -1.71 1.71  
HOTTEST SPOT IS 4239644.00 AT .05 -.05 RANGES (W/SQ.M)

1		A	4076580.0	TO	4239644.0
2		B	3913516.0	TO	4076580.0
3		C	3750452.0	TO	3913516.0
4		D	3587388.0	TO	3750452.0
5	ZZZZ	E	3424324.0	TO	3587388.0
6	ZZZZZZZZZZ ZZZZZZZZZZ	F	3261260.0	TO	3424324.0
7	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	G	3098196.0	TO	3261260.0
8	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	H	2935132.0	TO	3098196.0
9	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	I	2772068.0	TO	2935132.0
10	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	J	2609004.0	TO	2772068.0
11	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	K	2445940.0	TO	2609004.0
12	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	L	2282876.0	TO	2445940.0
13	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	M	2119812.0	TO	2282876.0
14	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N	1956748.0	TO	2119812.0
15	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	O	1793684.0	TO	1956748.0
16	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	P	1630620.0	TO	1793684.0
17	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Q	1467556.0	TO	1630620.0
18	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	R	1304492.0	TO	1467556.0
19	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	S	1141428.0	TO	1304492.0
20	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	T	978364.8	TO	1141428.0
21	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	U	815301.6	TO	978364.8
22	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	V	652238.4	TO	815301.6
23	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	W	489175.2	TO	652238.4
24	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	X	326112.1	TO	489175.2
25	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Y	163048.9	TO	326112.1
26	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Z	-14.3	TO	163048.9
27	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
28	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
29	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA = 11.88

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
PERCENT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	71	
CUMULATIVE	100	98	97	97	96	95	94	94	93	92	92	91	90	90	89	88	87	86	85	84	83	82	80	78	76	71	
HELIOSTAT X, Y =	99.000 101.626 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00																										
MIR. RADII =	395.00 261.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER																										
JITTER (MRAD) = 1.0	JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500																										



FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.66 1.60 VERTICAL: -1.50 1.13

HOTTEST SPOT IS 7384522.00 AT -.05 -.05 RANGES (W/SQ.M)

1	A	7100501.0	TO	7384522.0
2	B	6816480.0	TO	7100501.0
3	C	6532459.0	TO	6816480.0
4	D	6248438.0	TO	6532459.0
5	E	5964417.0	TO	6248438.0
6	F	5680396.0	TO	5964417.0
7	G	5396375.0	TO	5680396.0
8	H	5112354.0	TO	5396375.0
9	I	4828333.0	TO	5112354.0
10	J	4544312.0	TO	4828333.0
11	K	4260291.0	TO	4544312.0
12	L	3976270.0	TO	4260291.0
13	M	3692249.0	TO	3976270.0
14	N	3408228.0	TO	3692249.0
15	O	3124207.0	TO	3408228.0
16	P	2840186.0	TO	3124207.0
17	Q	2556165.0	TO	2840186.0
18	R	2272144.0	TO	2556165.0
19	S	1988123.0	TO	2272144.0
20	T	1704102.0	TO	1988123.0
21	U	1420081.0	TO	1704102.0
22	V	1136060.0	TO	1420081.0
23	W	852039.9	TO	1136060.0
24	X	568019.9	TO	852039.9
25	Y	283999.8	TO	568019.9
26	Z	-20.3	TO	283999.8
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AREA = 6.73

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1	2	2	2	4	6	65
CUMULATIVE	100	99	98	97	96	95	95	94	93	92	91	90	89	88	88	87	86	84	83	82	81	78	76	74	71	65
HELIOSTAT X, Y =	99.000		90.717		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	306.00	245.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		2500															

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.57 1.47 VERTICAL: -1.03 .91

HOTTEST SPOT IS 6020533.00 AT .05 .05 RANGES (W/SQ.M)

1	A	5788974.0	TO	6020533.0
2	B	5557415.0	TO	5788974.0
3	C	5325856.0	TO	5557415.0
4	D	5094297.0	TO	5325856.0
5	E	4862738.0	TO	5094297.0
6	F	4631179.0	TO	4862738.0
7	G	4399620.0	TO	4631179.0
8	H	4168061.0	TO	4399620.0
9	I	3936502.0	TO	4168061.0
10	J	3704943.0	TO	3936502.0
11	K	3473384.0	TO	3704943.0
12	L	3241825.0	TO	3473384.0
13	M	3010266.0	TO	3241825.0
14	N	2778707.0	TO	3010266.0
15	O	2547148.0	TO	2778707.0
16	P	2315589.0	TO	2547148.0
17	Q	2084030.0	TO	2315589.0
18	R	1852471.0	TO	2084030.0
19	S	1620912.0	TO	1852471.0
20	T	1389353.0	TO	1620912.0
21	U	1157794.0	TO	1389353.0
22	V	926235.1	TO	1157794.0
23	W	694676.1	TO	926235.1
24	X	463117.2	TO	694676.1
25	Y	231558.2	TO	463117.2
26	Z	-.7	TO	231558.2

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ZZZZZZZZYXTNHDDBAABDIPUXYZZZZZZ

ZZZZZZZZYWSLGCAAAACHOTXYZZZZZZ

ZZZZZZZZYWSLGCAAAACHOTXYZZZZZZ

ZZZZZZZZYWTNHECBBBEJPUXYZZZZZZ

ZZZZZZZZYXUQLHEDDFIMRVXYZZZZZZ

ZZZZZZZZYXWTPLJIIJMQUXYZZZZZZ

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AREA = 4.60

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	0	1	2	1	1	0	2	1	1	1	1	2	1	1	3	2	1	2	5	7	59
CUMULATIVE	100	98	97	96	94	93	93	92	91	89	89	89	87	86	85	84	83	82	81	80	77	75	74	71	67	59
HELIOSTAT X, Y =	84.031		77.000		; FIELD RADIUS AND =		0		; REC. HT =		39.00															
MIR. RADII =	240.00	216.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE = .10 METER																			
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =	100.	NO. OF MIRRORS = 1500																		

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -2.21 1.94 VERTICAL: -1.77 1.78  
HOTTEST SPOT IS 3805896.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	3659515.0	TO	3805896.0
2		B	3513134.0	TO	3659515.0
3		C	3366753.0	TO	3513134.0
4		D	3220372.0	TO	3366753.0
5	ZZZZZZ	E	3073991.0	TO	3220372.0
6	Z ZZZZZZZZZZZZ	F	2927610.0	TO	3073991.0
7	ZZZZZZZZZZZZZZZZZZZZ	G	2781229.0	TO	2927610.0
8	ZZZZZZZZZZZZZZZZZZZZ	H	2634848.0	TO	2781229.0
9	ZZZZZZZZZZZZZZZZZZZZ	I	2488467.0	TO	2634848.0
10	ZZZZZZZZZZZZZZZZZZZZ	J	2342086.0	TO	2488467.0
11	ZZZZZZZZZZZZZZZZZZZZ	K	2195705.0	TO	2342086.0
12	ZZZZZZZZZZZZZZZZZZZZ	L	2049324.0	TO	2195705.0
13	ZZZZZZZZZZZZZZZZZZZZ	M	1902943.0	TO	2049324.0
14	ZZZZZZZZZZZZZZZZZZZZ	N	1756562.0	TO	1902943.0
15	ZZZZZZZZZZZZZZZZZZZZ	O	1610181.0	TO	1756562.0
16	ZZZZZZZZZZZZZZZZZZZZ	P	1463800.0	TO	1610181.0
17	ZZZZZZZZZZZZZZZZZZZZ	Q	1317419.0	TO	1463800.0
18	ZZZZZZZZZZZZZZZZZZZZ	R	1171038.0	TO	1317419.0
19	ZZZZZZZZZZZZZZZZZZZZ	S	1024657.0	TO	1171038.0
20	ZZZZZZZZZZZZZZZZZZZZ	T	878276.9	TO	1024657.0
21	ZZZZZZZZZZZZZZZZZZZZ	U	731896.3	TO	878276.9
22	ZZZZZZZZZZZZZZZZZZZZ	V	585515.7	TO	731896.3
23	ZZZZZZZZZZZZZZZZZZZZ	W	439135.2	TO	585515.7
24	ZZZZZZZZZZZZZZZZZZZZ	X	292754.6	TO	439135.2
25	ZZZZZZZZZZZZZZZZZZZZ	Y	146374.1	TO	292754.6
26	ZZZZZZZZZZZZZZZZZZZZ	Z	-6.5	TO	146374.1
27	ZZZZZZZZZZZZZZZZZZZZ				
28	ZZZZZZZZZZZZZZZZZZZZ				
29	ZZZZZZZZZZZZZZZZZZZZ				
30	ZZZZZZZZZZZZZZZZZZZZ				
31	ZZZZZZZZZZZZZZZZZZZZ				
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AREA = 11.88

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	3	5	70
CUMULATIVE	100	98	98	97	96	95	95	94	93	93	91	91	90	90	89	88	87	86	85	84	83	82	80	78	75	70
HELIOSTAT X, Y =	99.000		101.626		; FIELD RADIUS AND =		0		; REC. HT =		10.00															
MIR. RADII =	395.00	261.00	; HELIO SIZE WD, HT =		2.000	2.000	BIN SIZE =		.10 METER																	
JITTER (MRAD) =	1.0	JITTER IS GAUSSIAN		DISKFILE =	Y	CELLS/MIRROR =		100.	NO. OF MIRRORS =		2500															

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.77 1.69 VERTICAL: -1.57 1.24  
HOTTEST SPOT IS 6699235.00 AT -.05 -.05 RANGES (W/SQ.M)

1		A	6441572.0	TD	6699235.0
2		B	6183909.0	TD	6441572.0
3		C	5926246.0	TD	6183909.0
4		D	5668583.0	TD	5926246.0
5		E	5410920.0	TD	5668583.0
6		F	5153257.0	TD	5410920.0
7		G	4895594.0	TD	5153257.0
8		H	4637931.0	TD	4895594.0
9		I	4380268.0	TD	4637931.0
10	ZZ	J	4122605.0	TD	4380268.0
11	ZZZZZZZZ	K	3864942.0	TD	4122605.0
12	ZZZZZZZZZZZZZZZZ	L	3607279.0	TD	3864942.0
13	ZZZZZZZZZZZZZZZZZZ	M	3349616.0	TD	3607279.0
14	ZZZZZZZZZZZZZZZZZZZZ	N	3091953.0	TD	3349616.0
15	ZZZZZZZZZYXXXXXYZZZZZZZZ	O	2834290.0	TD	3091953.0
16	ZZZZZZZZZYXWVUTUVWXYZZZZZZZZ	P	2576627.0	TD	2834290.0
17	ZZZZZZZZZYVTRQPPQSVXYZZZZZZZZ	Q	2318964.0	TD	2576627.0
18	ZZZZZZZZZYXUSPNLKMORUXYZZZZZZZZZ	R	2061301.0	TD	2318964.0
19	ZZZZZZZZZYXVSOLIHGHKIKRNVXYZZZZZZZZ	S	1803638.0	TD	2061301.0
20	ZZZZZZZZZYXUGMIFDDDEHKPTWYZZZZZZZZZ	T	1545975.0	TD	1803638.0
21	ZZZZZZZZZYWTOJFCBBBCFINRVXYZZZZZZZZ	U	1288312.0	TD	1545975.0
22	ZZZZZZZZZXWGOIEBAAABEHMRUXYZZZZZZZZZ	V	1030649.0	TD	1288312.0
23	ZZZZZZZZZXVSOJEBAAABEHMQUXYZZZZZZZZZ	W	772986.2	TD	1030649.0
24	ZZZZZZZZZYWTPKGCBBBCFINRVXYZZZZZZZZ	X	515323.4	TD	772986.2
25	ZZZZZZZZZYWURMIFDDDFHKPSVXYZZZZZZZZ	Y	257660.5	TD	515323.4
26	ZZZZZZZZZXVTPMJHGHKIKORUWYZZZZZZZZ	Z	-2.4	TD	257660.5
27	ZZZZZZZZZYXVTQNLKMORUWXYZZZZZZZZ				
28	ZZZZZZZZZYXWURQPPQSVXYZZZZZZZZ				
29	ZZZZZZZZZZZYXWVUUVWXYZZZZZZZZ				
30	ZZZZZZZZZZZZZYXXXXXYZZZZZZZZ				
31	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
32	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
33	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
34	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
35	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
36	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
37	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
38	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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123456789012345678901234567890123456789012345 AREA = 7.25

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	2	1	1	2	2	2	4	5	67

CUMULATIVE 100 99 98 97 96 96 95 94 93 92 92 91 90 89 89 88 86 86 84 83 82 80 78 76 72 67

HELIOSTAT X, Y = 99.000 90.717 ; FIELD RADIUS AND = 0 ; REC. HT = 10.00

MIR. RADII = 306.00 245.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 2500

FLUX CONTOUR

MAXIMUM SPOT DIMENSIONS, HORIZONTAL: -1.71 1.59 VERTICAL: -1.09 .96  
HOTTEST SPOT IS 5439872.00 AT .05 .05 RANGES (W/SQ.M)

1		A	5230646.0	TO	5439872.0
2		B	5021420.0	TO	5230646.0
3		C	4812194.0	TO	5021420.0
4		D	4602968.0	TO	4812194.0
5		E	4393742.0	TO	4602968.0
6		F	4184516.0	TO	4393742.0
7		G	3975290.0	TO	4184516.0
8		H	3766064.0	TO	3975290.0
9		I	3556838.0	TO	3766064.0
10		J	3347612.0	TO	3556838.0
11		K	3138386.0	TO	3347612.0
12		L	2929160.0	TO	3138386.0
13	ZZZZZZZZ	M	2719934.0	TO	2929160.0
14	ZZZZZZZZZZZZZZ	N	2510708.0	TO	2719934.0
15	ZZZZZZZZZZZZZZZZZZ	O	2301482.0	TO	2510708.0
16	ZZZZZZZZZZYXWWXYZZZZZZ	P	2092256.0	TO	2301482.0
17	ZZZZZZZZZZYXWUSRRTVXYZZZZZZ	Q	1883030.0	TO	2092256.0
18	ZZZZZZZZZZYXVSPNMMNGTWYZZZZZZ	R	1673804.0	TO	1883030.0
19	ZZZZZZZZZZYWSOKIHHILGUXYZZZZZZ	S	1464578.0	TO	1673804.0
20	ZZZZZZZZZZYXUPKGDDEHMSVYZZZZZZ	T	1255352.0	TO	1464578.0
21	ZZZZZZZZZZYXTNHDBAABDJGUXYZZZZZZ	U	1046126.0	TO	1255352.0
22	ZZZZZZZZZZYWSLFCAAAACHPUXYZZZZZZ	V	836900.4	TO	1046126.0
23	ZZZZZZZZZZYWTLFCAAACIPUXYZZZZZZZZ	W	627674.6	TO	836900.4
24	ZZZZZZZZZZYWTNHDCBCKQVXYZZZZZZZZ	X	418448.7	TO	627674.6
25	ZZZZZZZZZZYXUGKEEEFINSWYYZZZZZZZZ	Y	209222.9	TO	418448.7
26	ZZZZZZZZZZYXWTLIIIKMQUXYZZZZZZZZZZ	Z	-2.9	TO	209222.9
27	ZZZZZZZZZZYXVSPNMMNORUWYYZZZZZZZZ				
28	ZZZZZZZZZZYXWUTSSTVWYYZZZZZZZZZZ				
29	ZZZZZZZZZZYXWXXYYZZZZZZZZZZZZ				
30	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
31	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ				
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AREA = 5.19

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PERCENT	2	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	2	2	2	1	3	4	7	63

CUMULATIVE 100 98 97 96 95 94 93 93 92 91 90 89 89 88 86 86 85 84 83 81 80 78 77 74 70 63

HELIOSTAT X, Y = 84.031 77.000 ; FIELD RADIUS AND = 0 ; REC. HT = 39.00

MIR. RADII = 240.00 216.00 ; HELIO SIZE WD, HT = 2.000 2.000 BIN SIZE = .10 METER

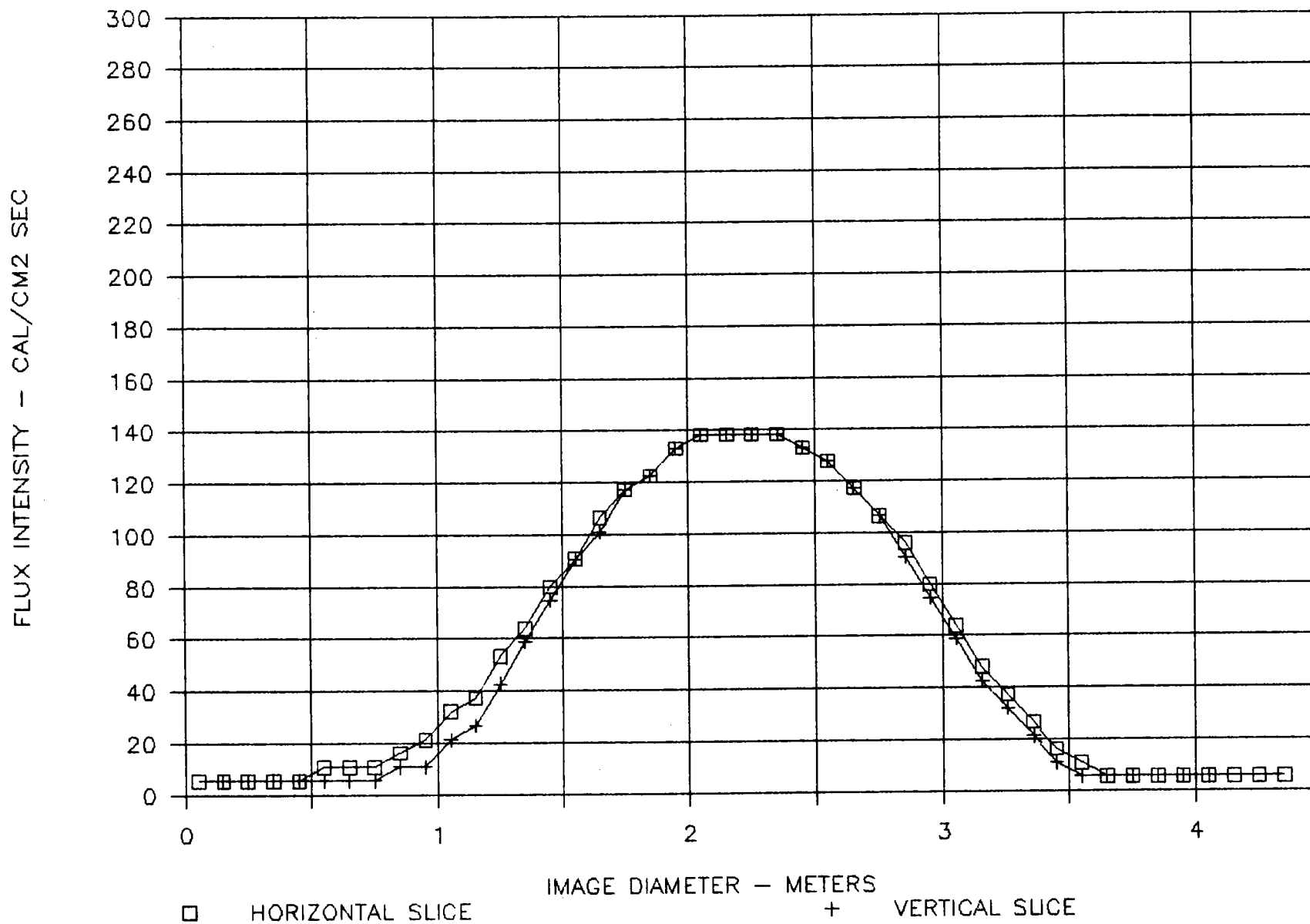
JITTER (MRAD) = 1.0 JITTER IS GAUSSIAN DISKFILE = Y CELLS/MIRROR = 100. NO. OF MIRRORS = 1500

APPENDIX - D

Radiant Energy Focal Plane Flux Profiles

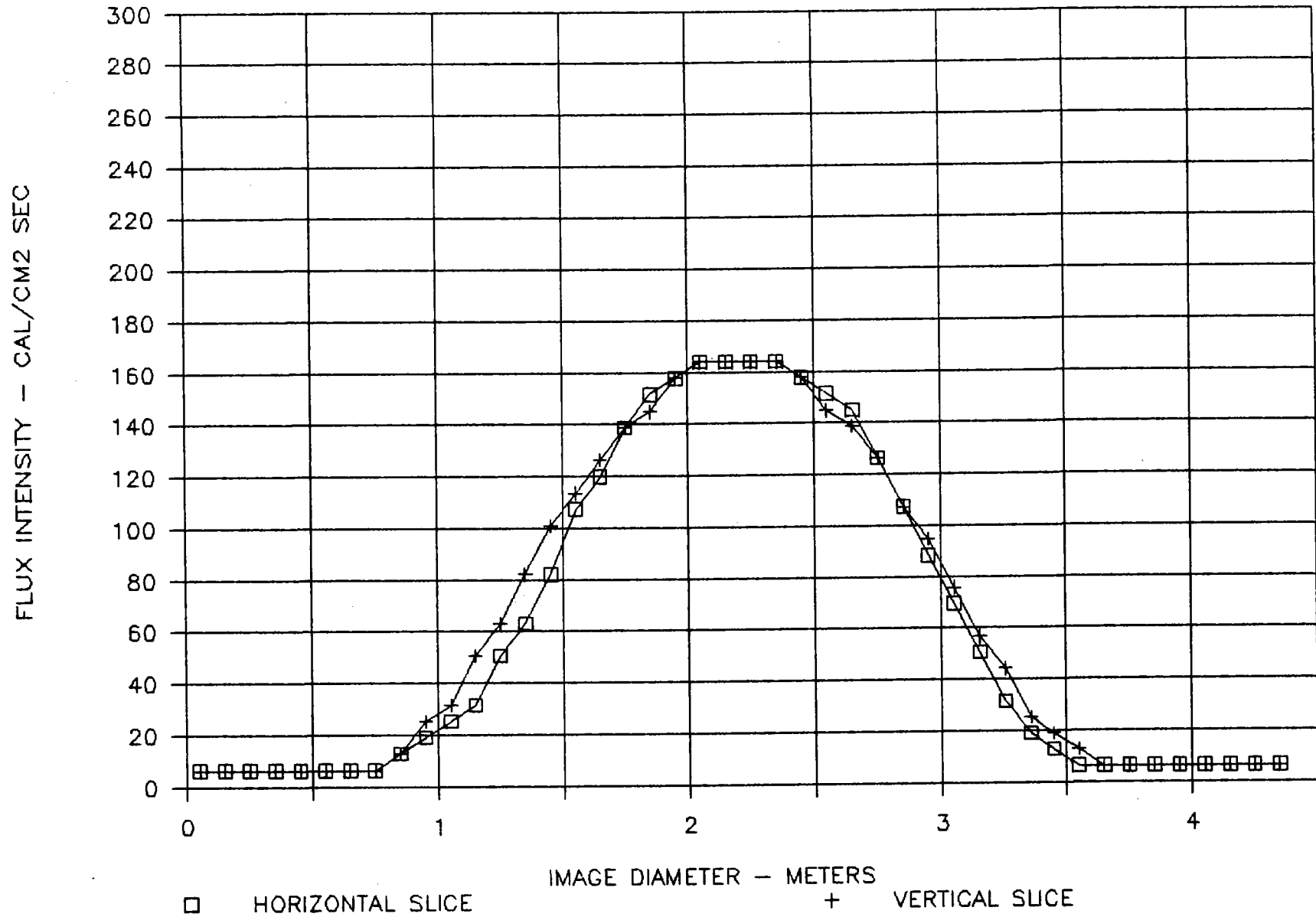
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WSS07120



# RADIANT ENERGY FLUX PROFILE

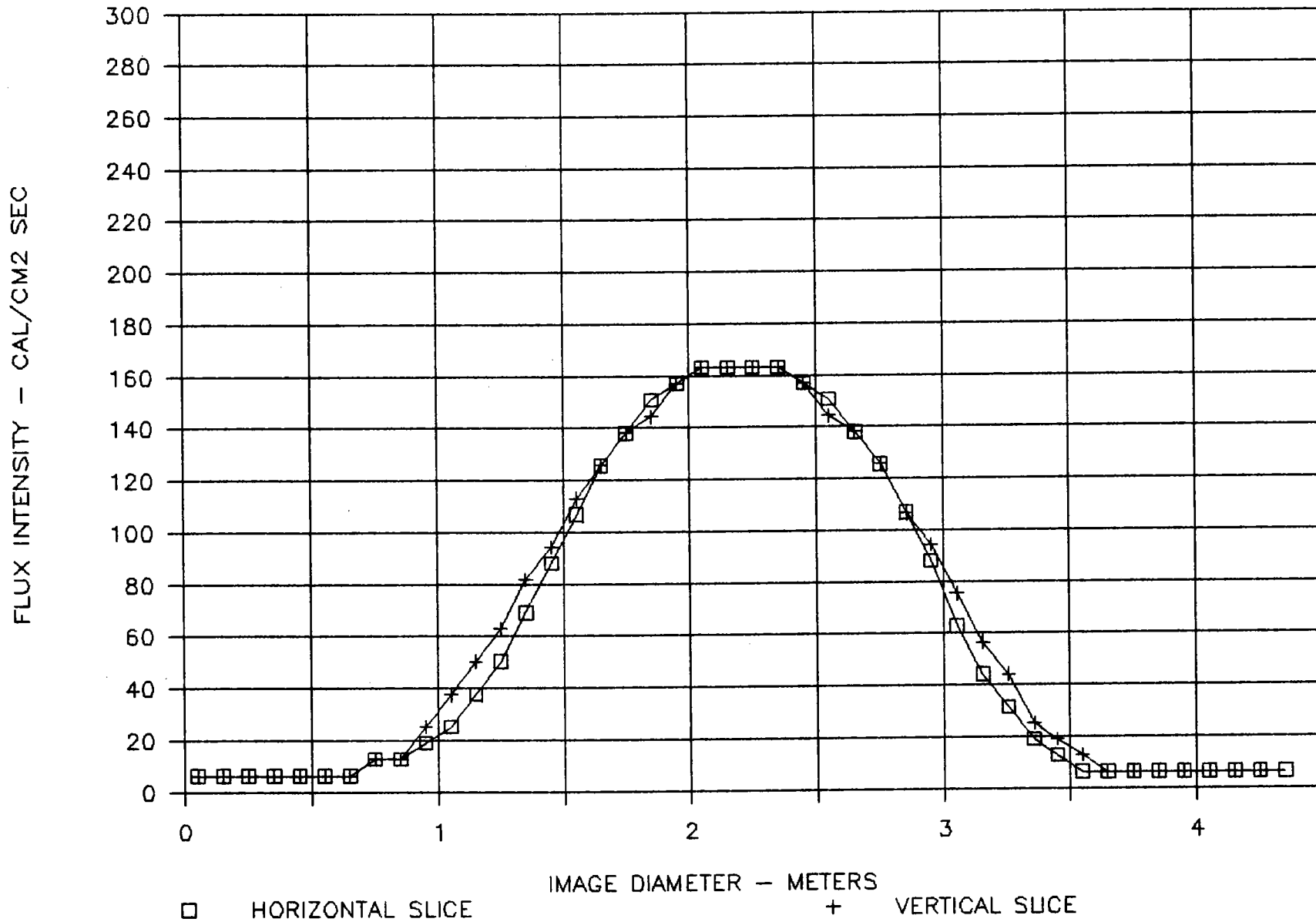
WSW01120





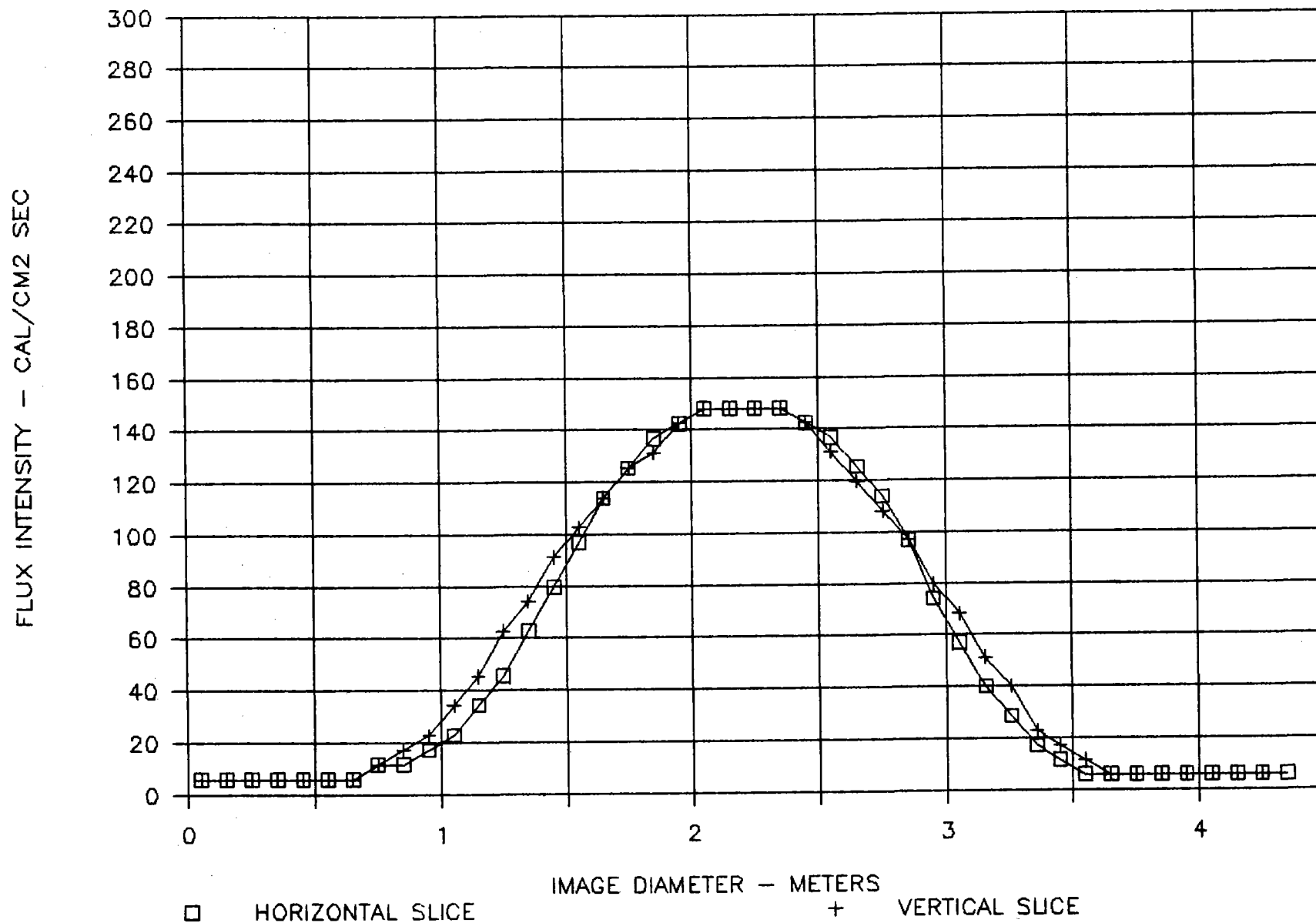
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WSW01110



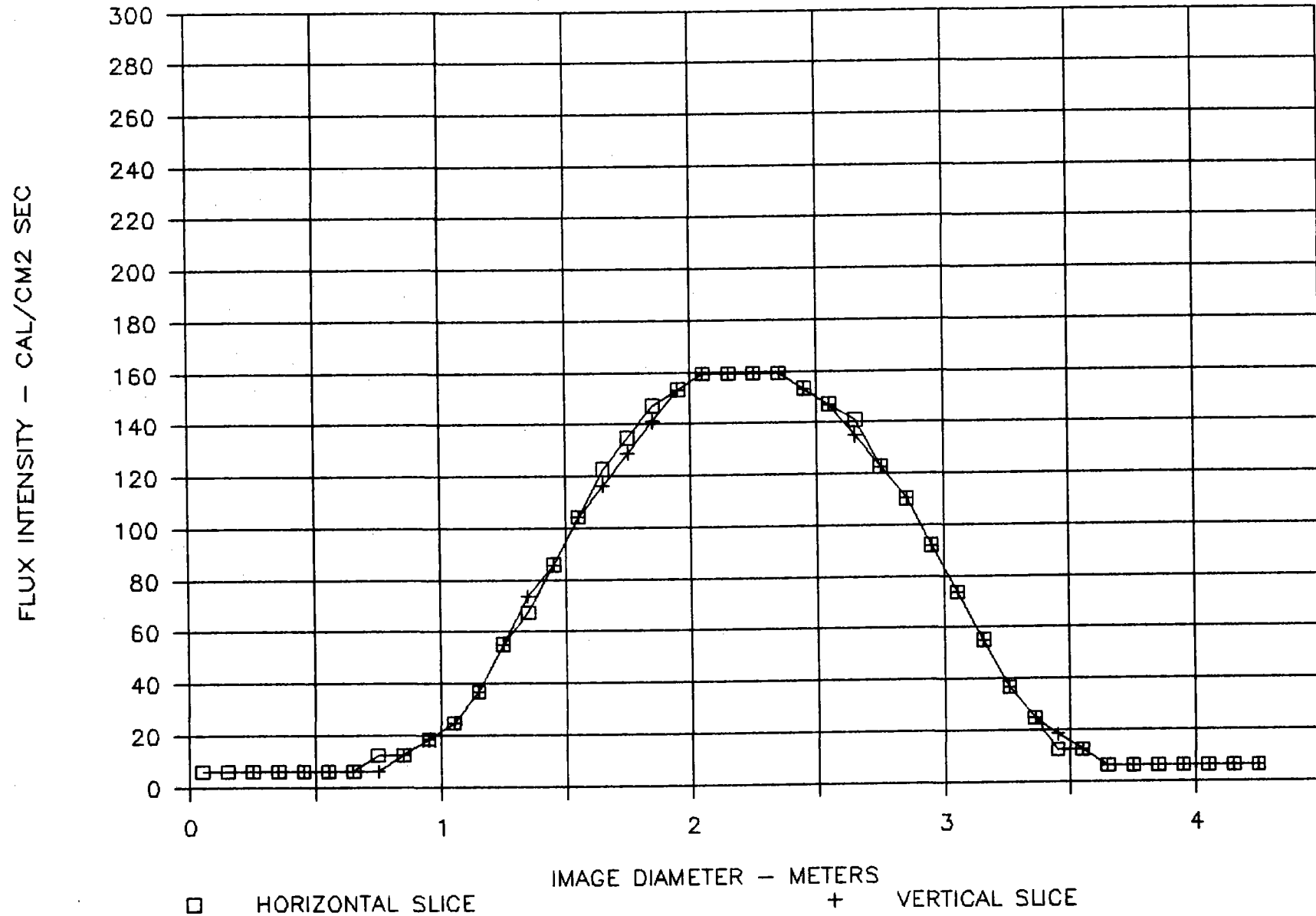
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WSW01100



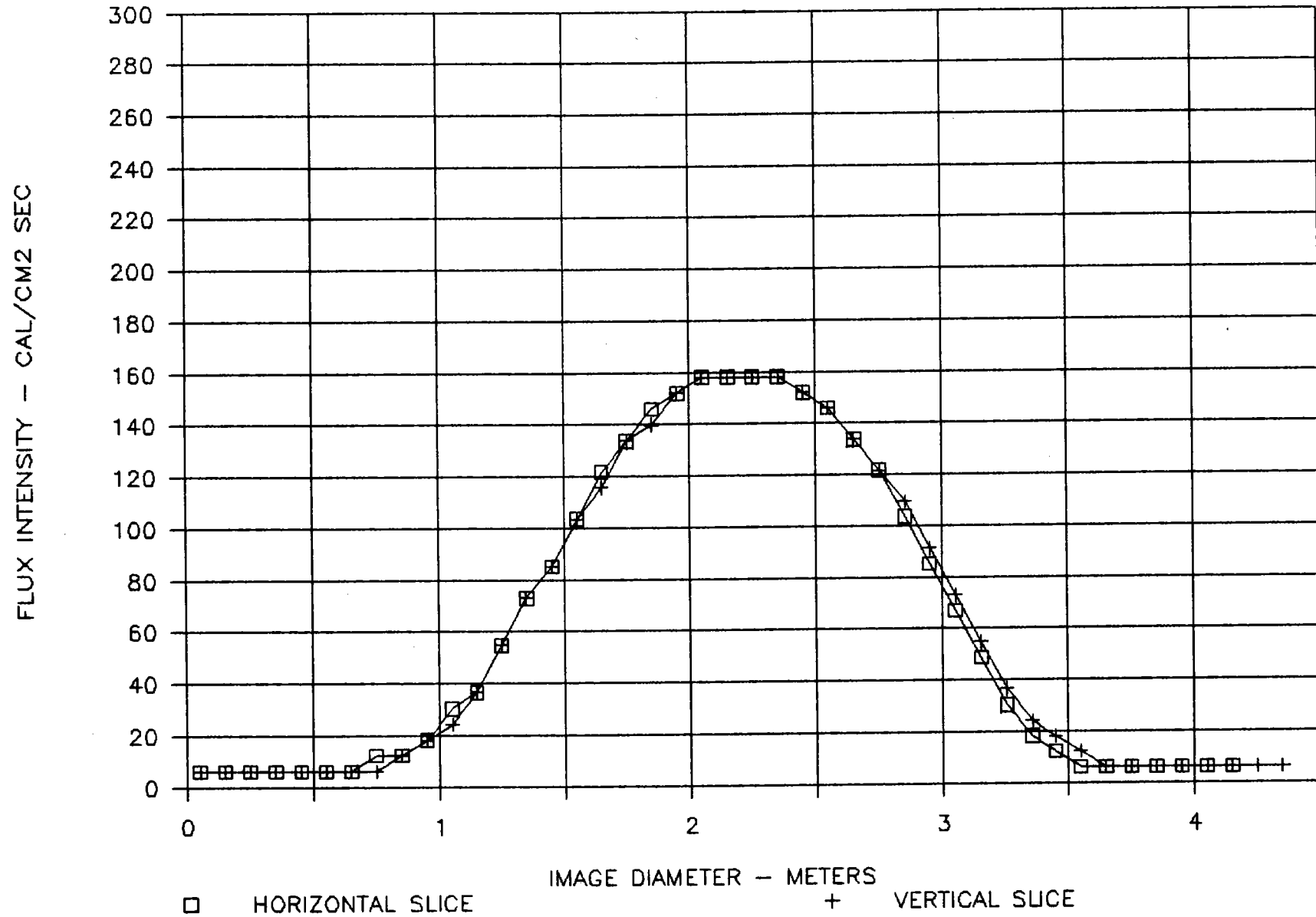
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WSE01120



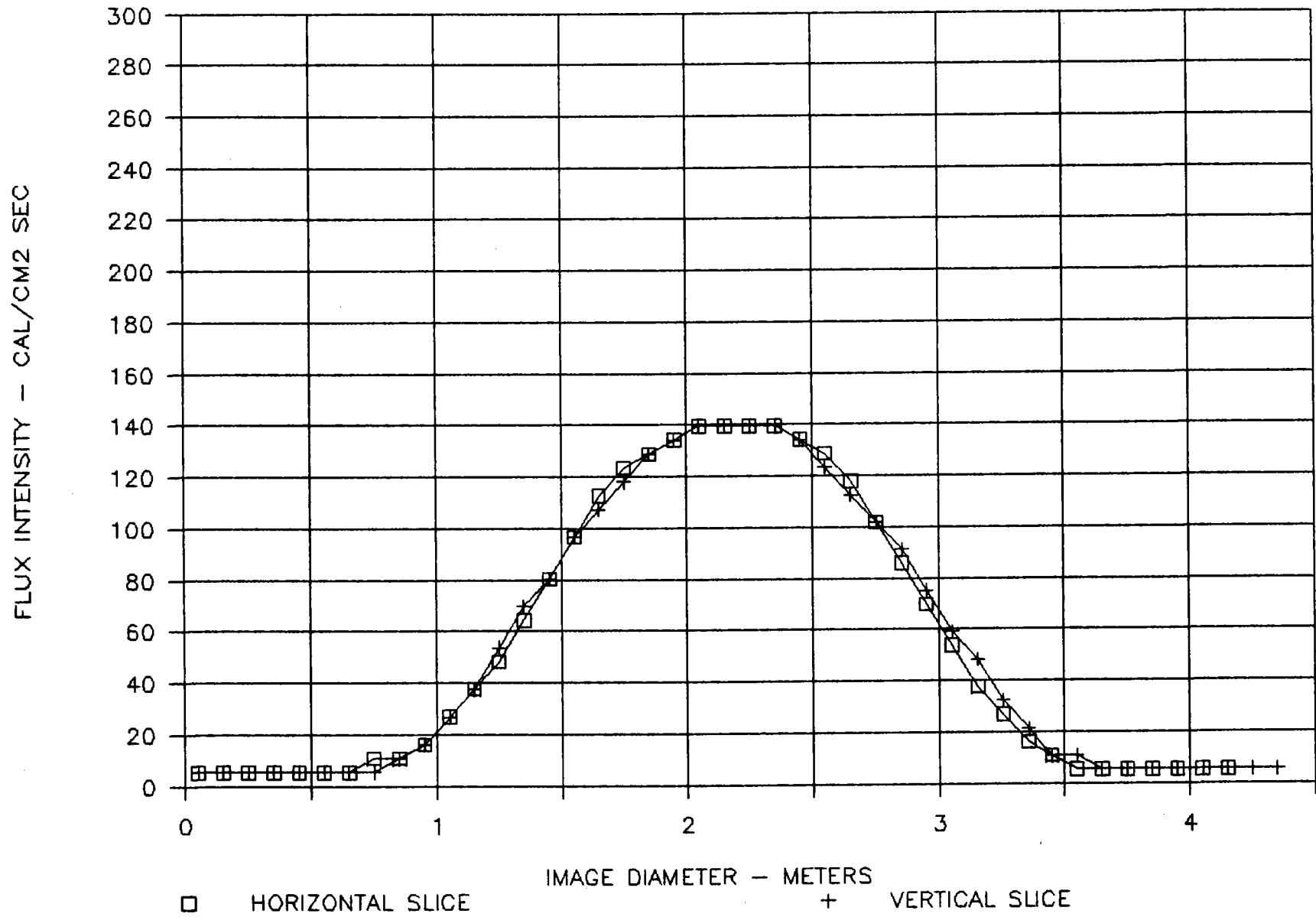
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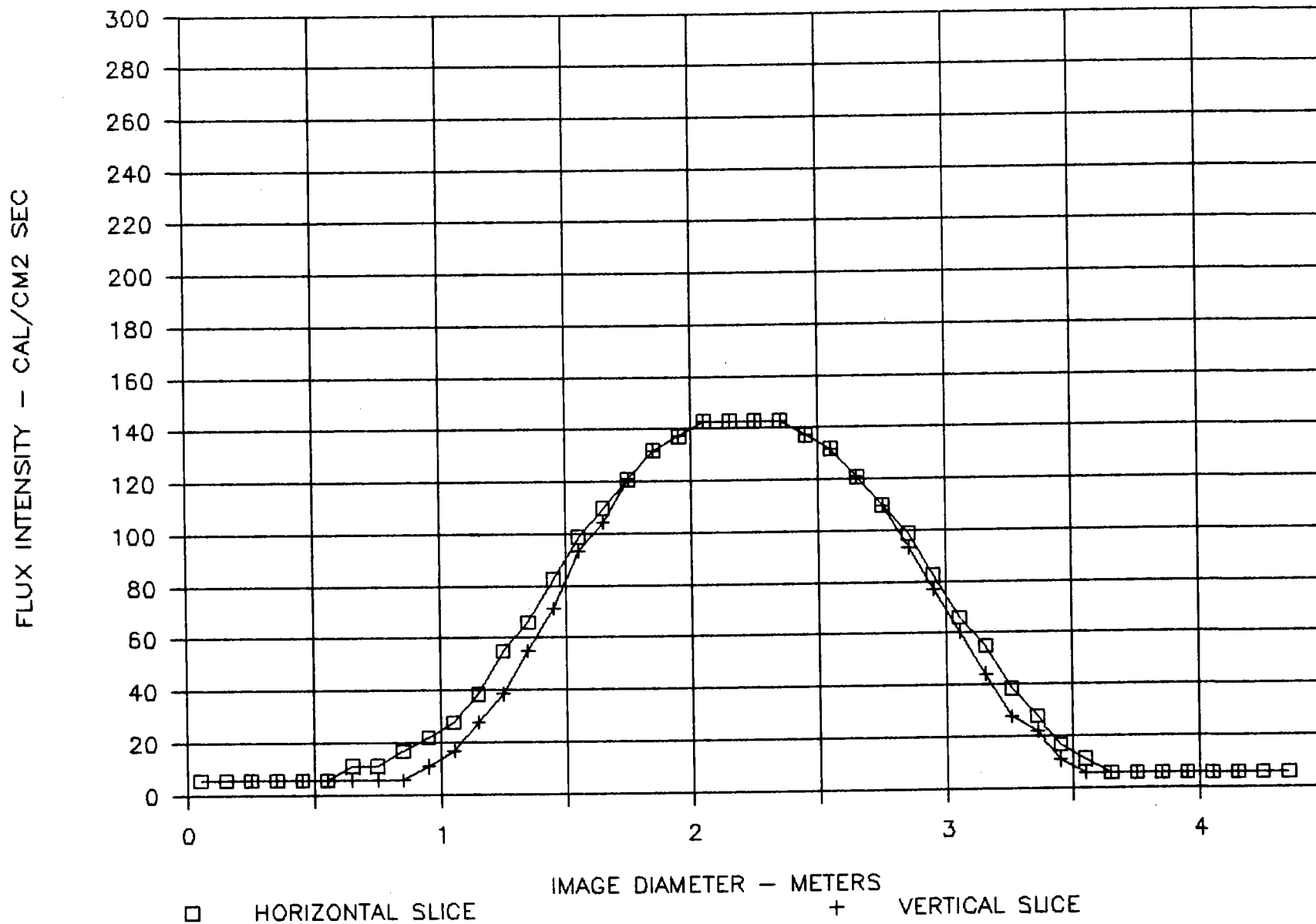
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WSE01100



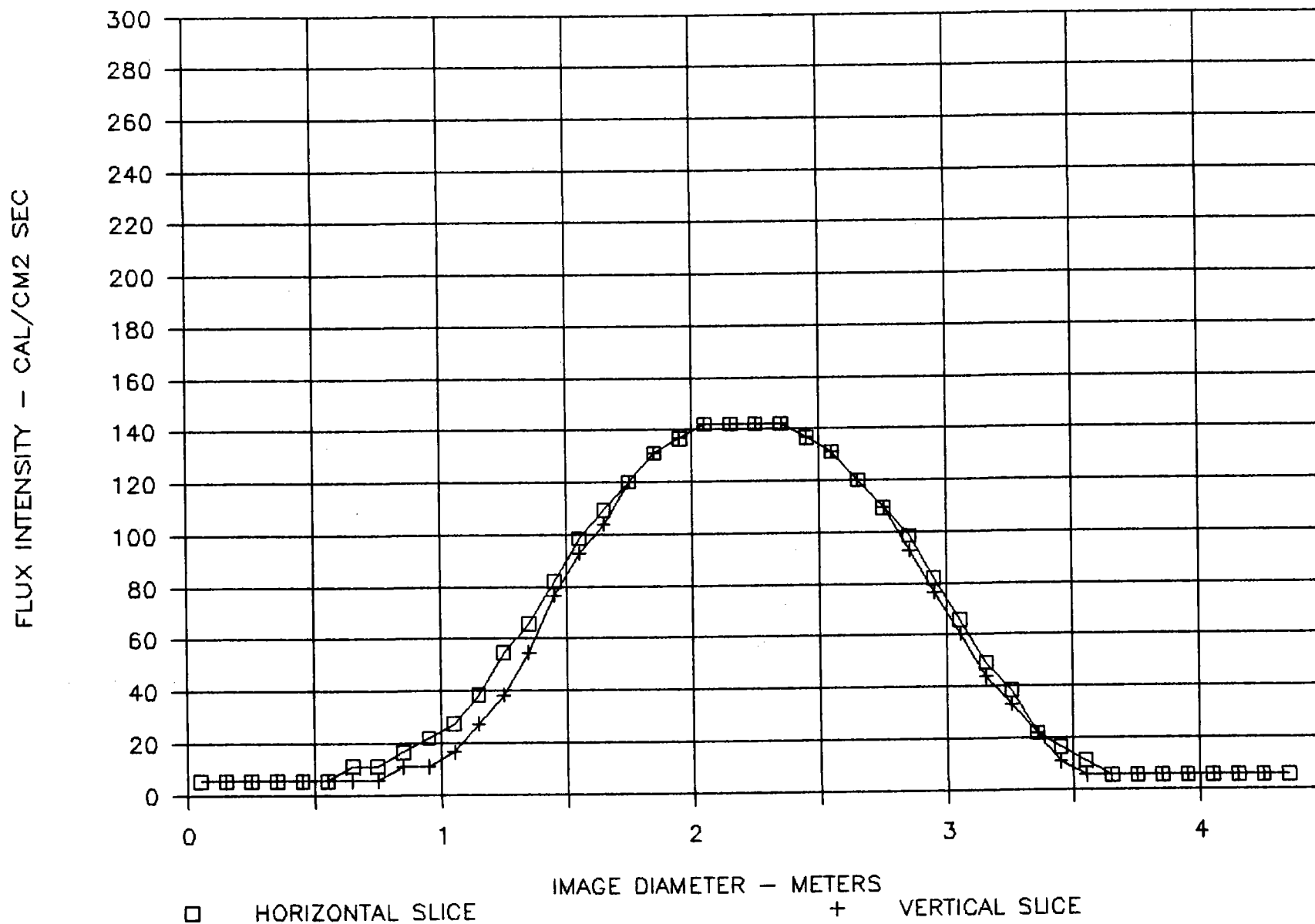
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WSS01120



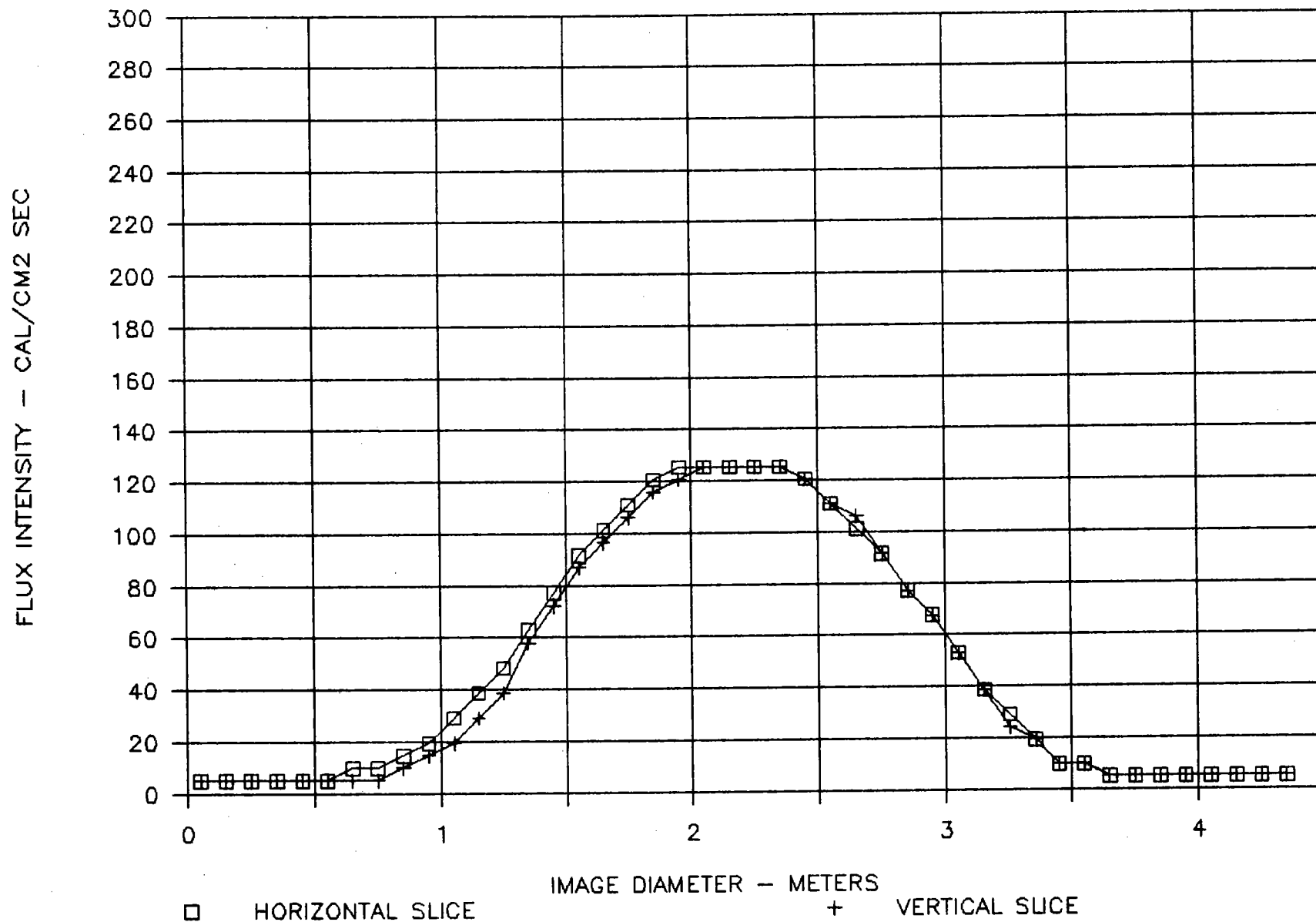
# RADIANT ENERGY FLUX PROFILE

WSS01110



# RADIANT ENERGY FLUX PROFILE

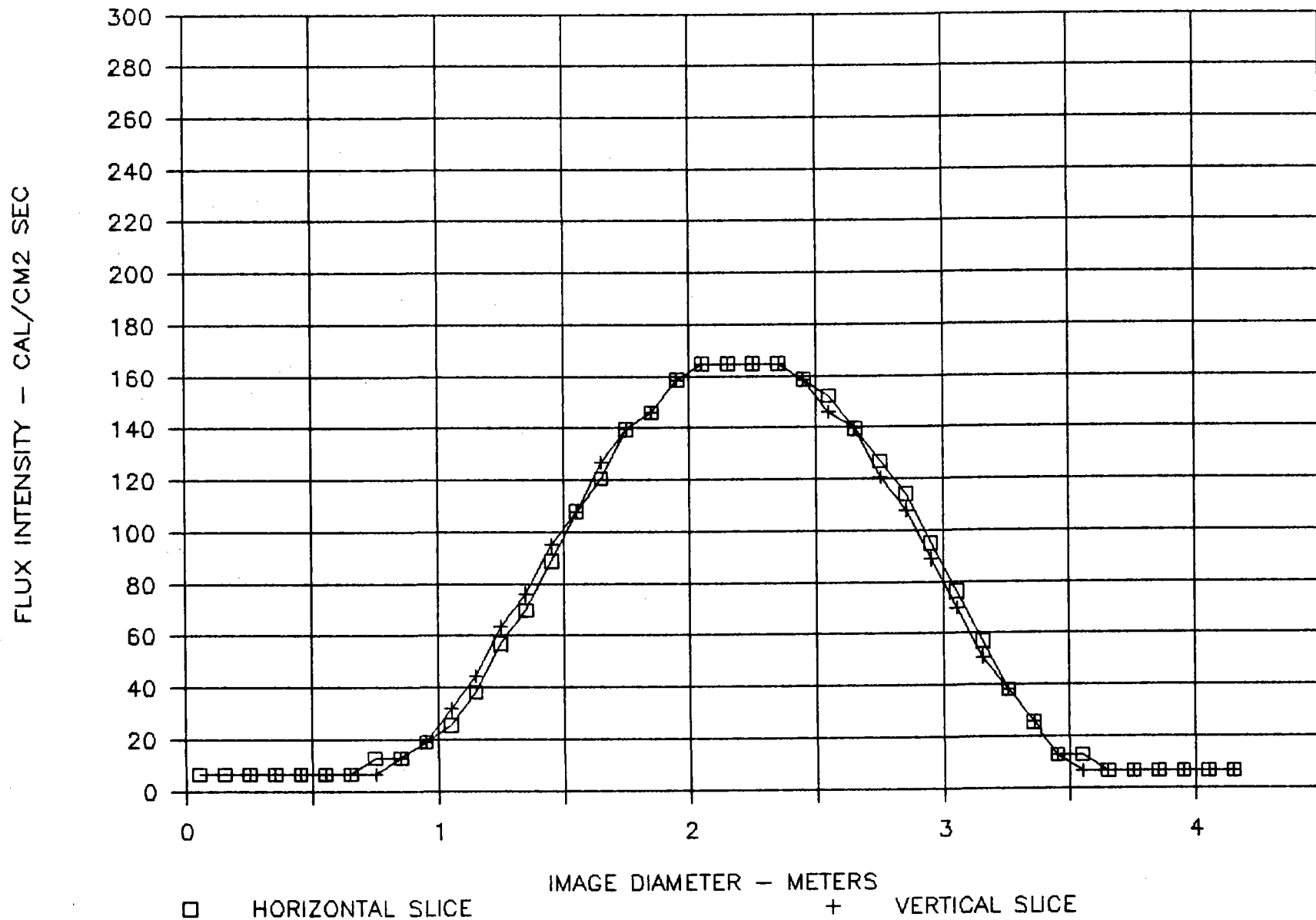
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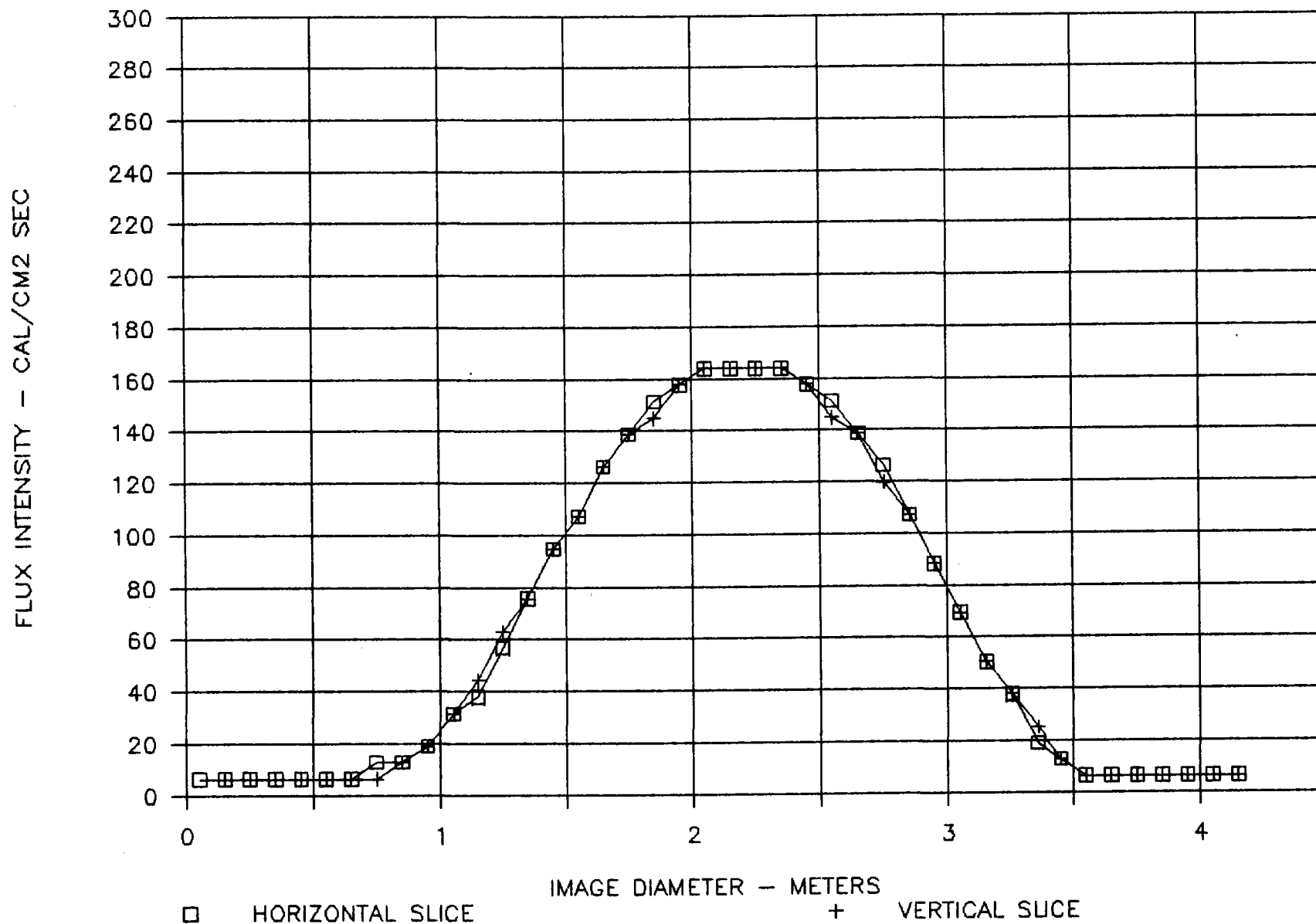
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WSW02120



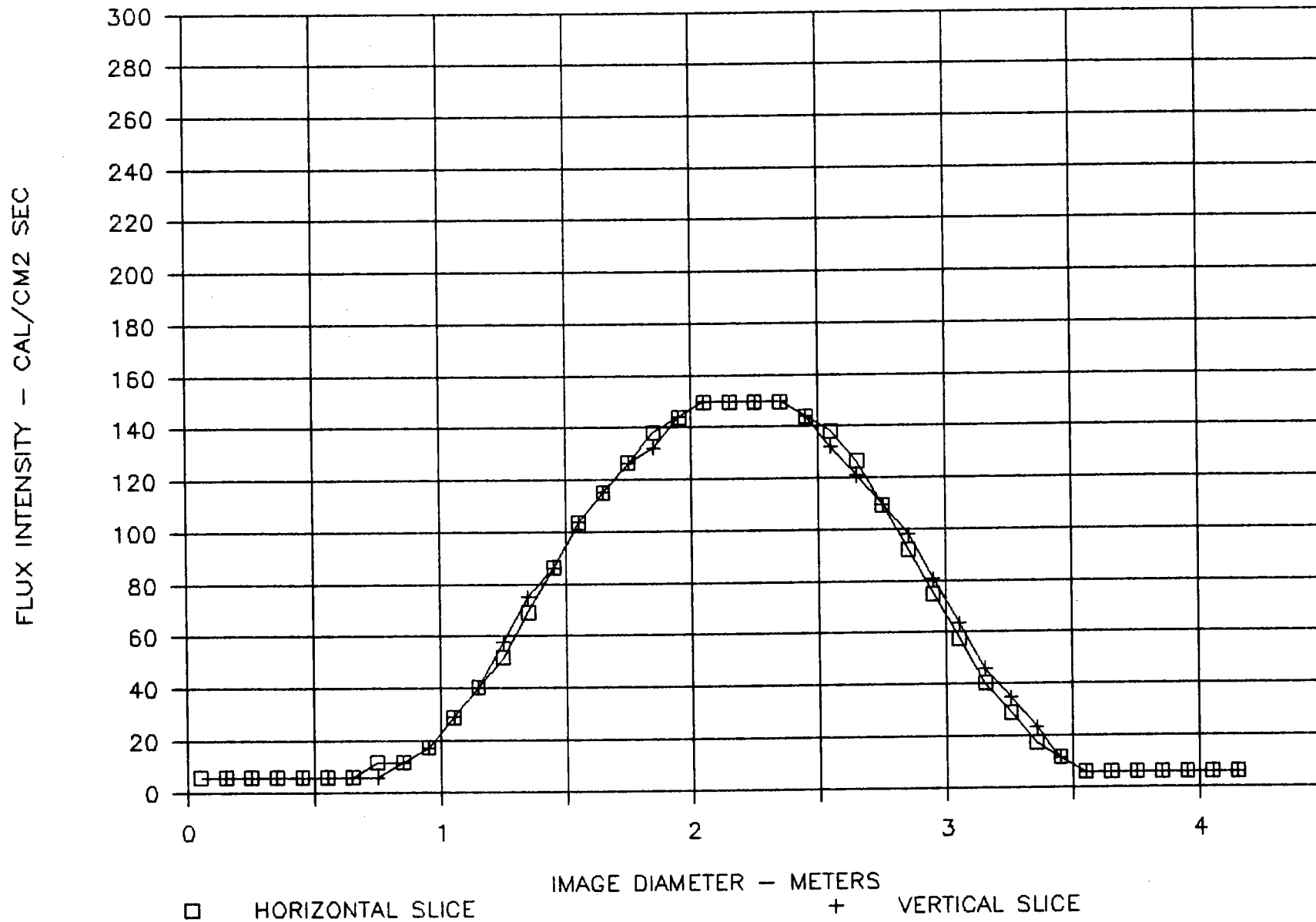
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WSW02110



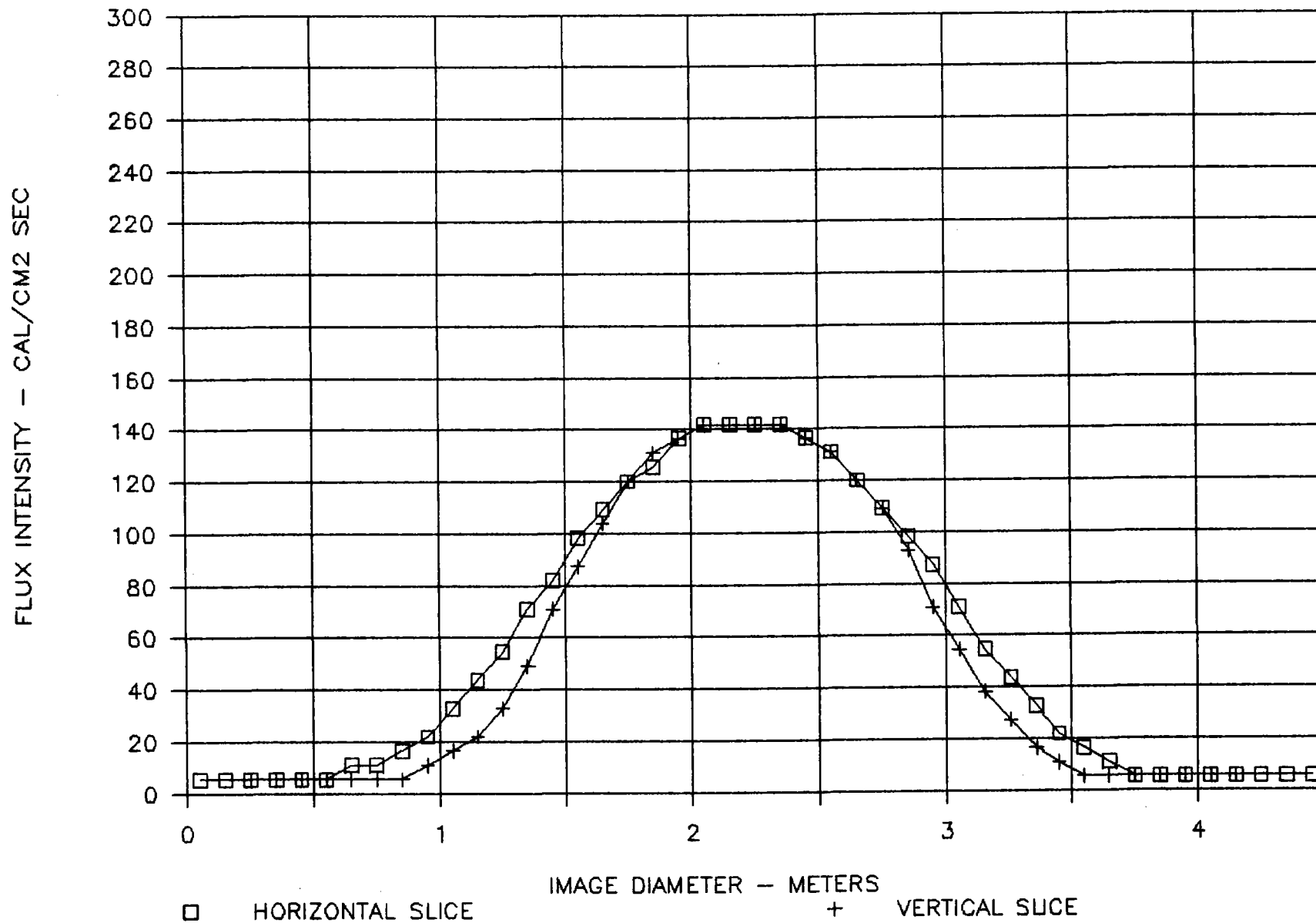
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WSW02100



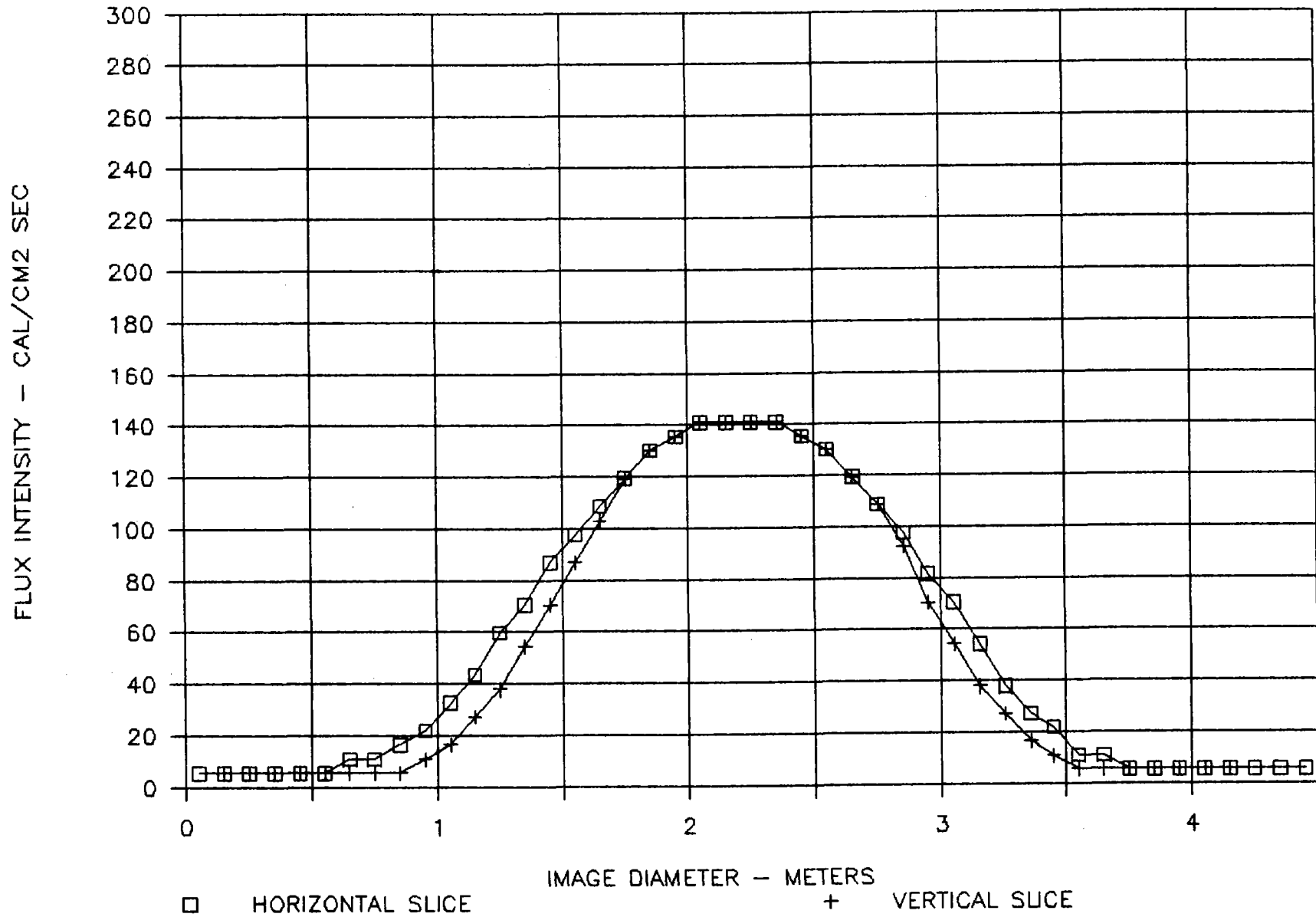
# RADIANT ENERGY FLUX PROFILE

WSS02120



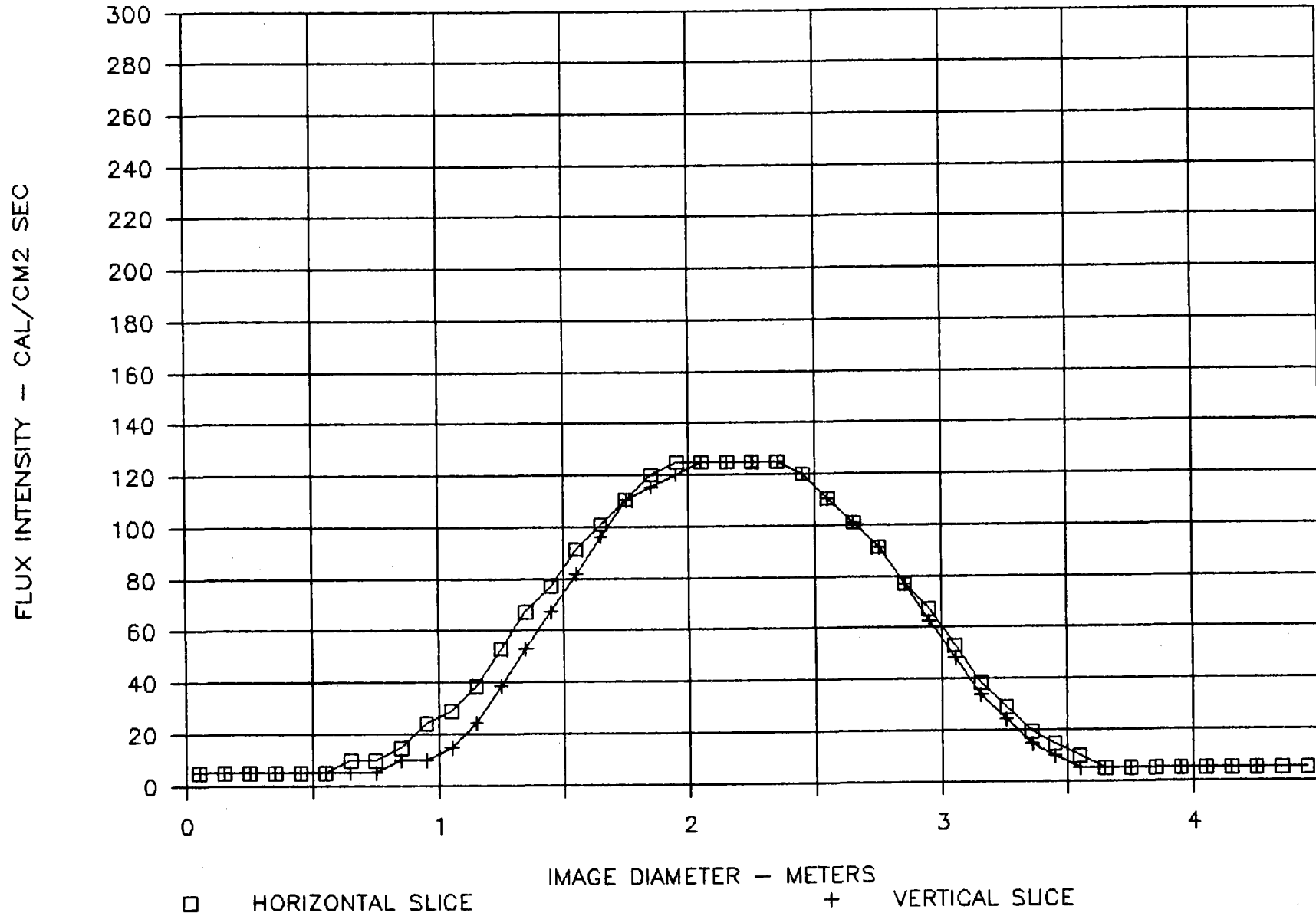
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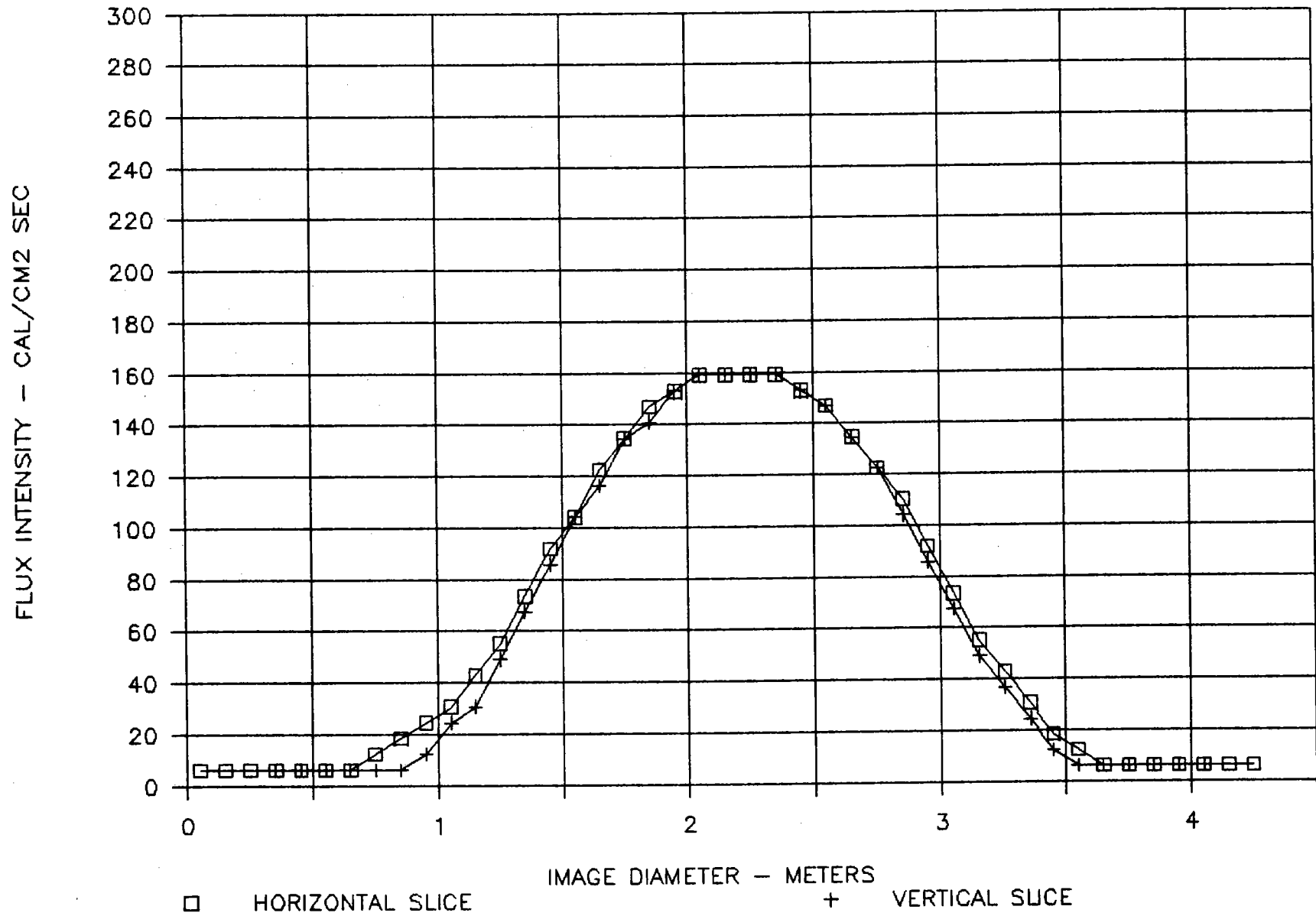
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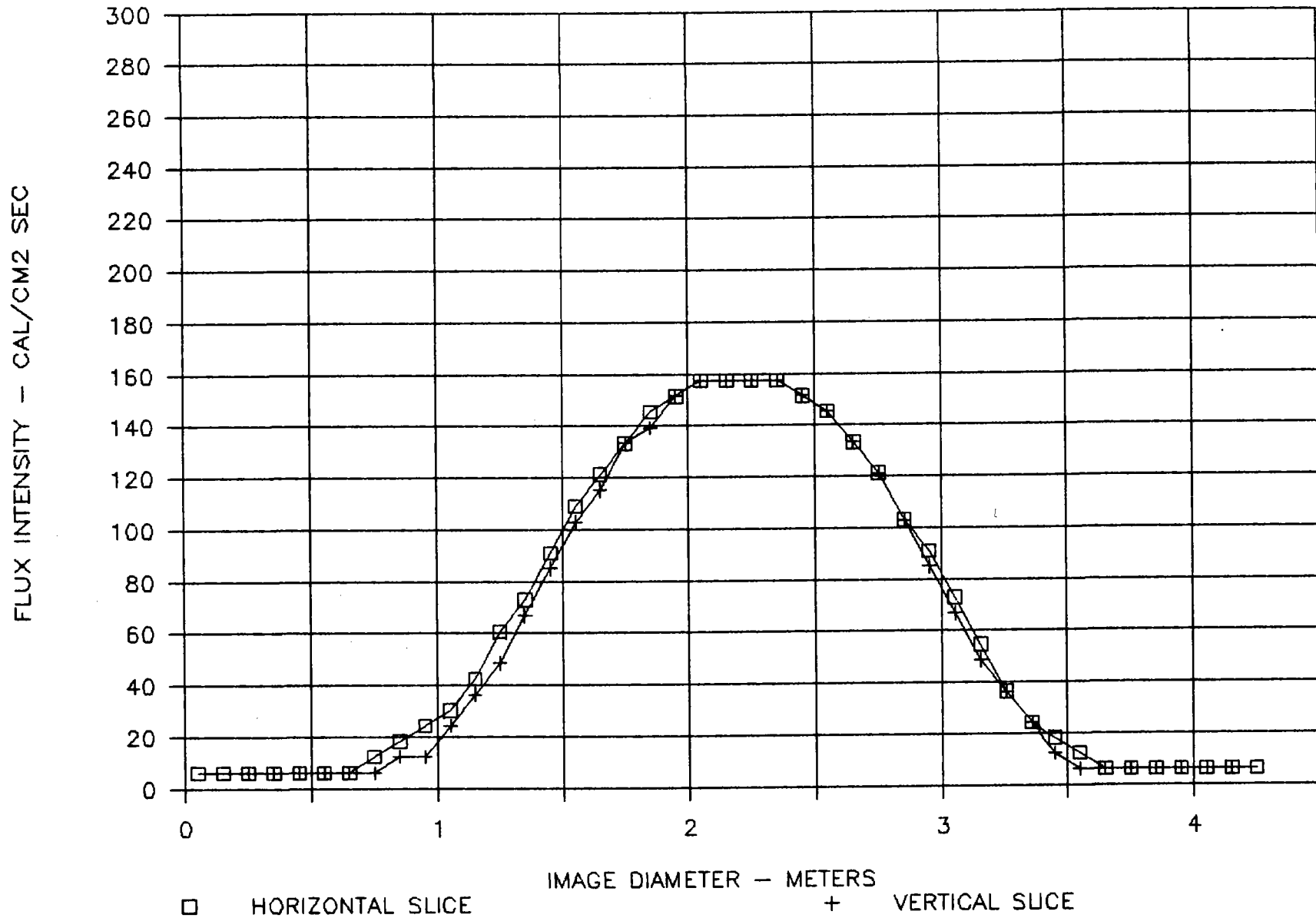
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WSE02120



# RADIANT ENERGY FLUX PROFILE

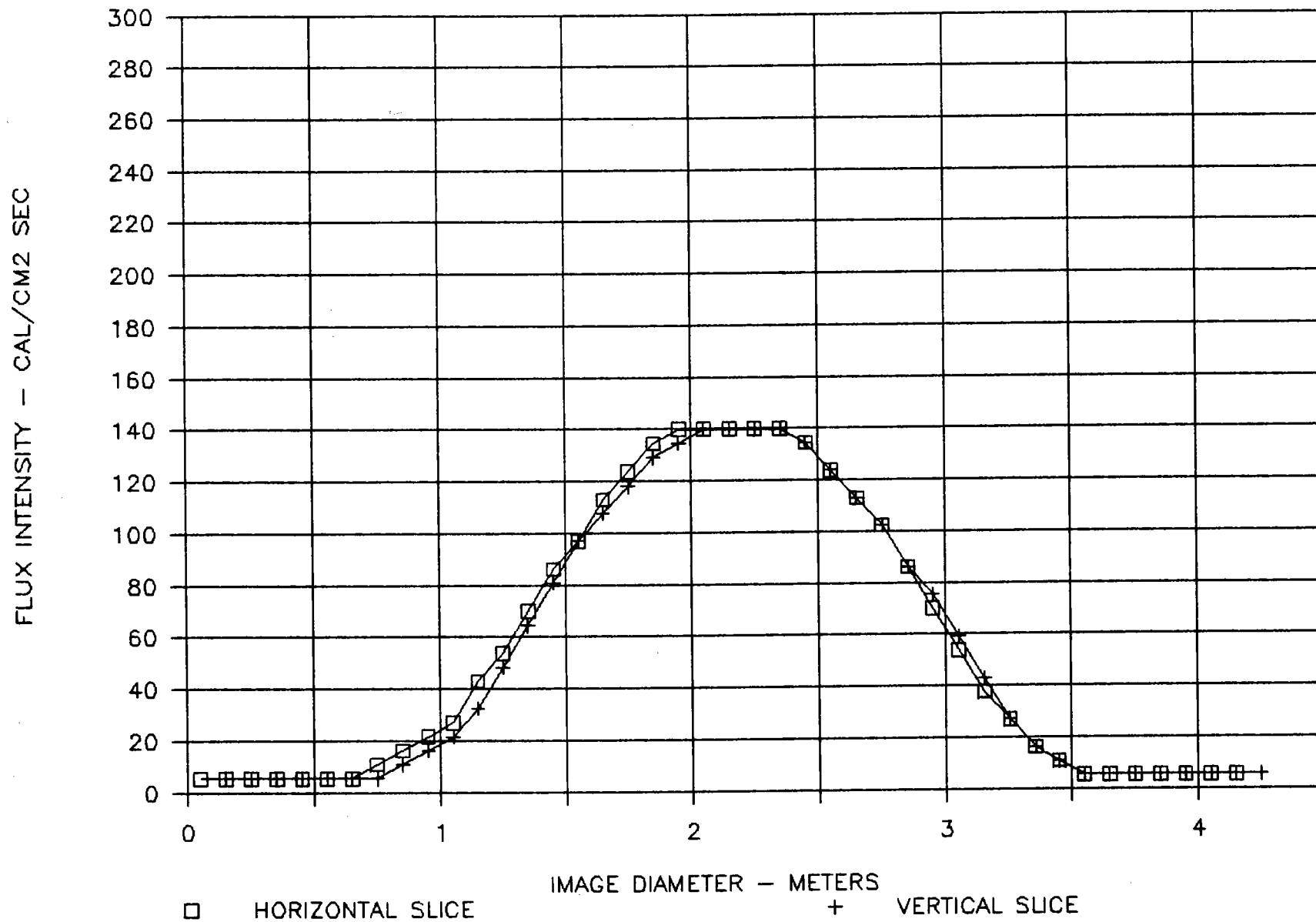
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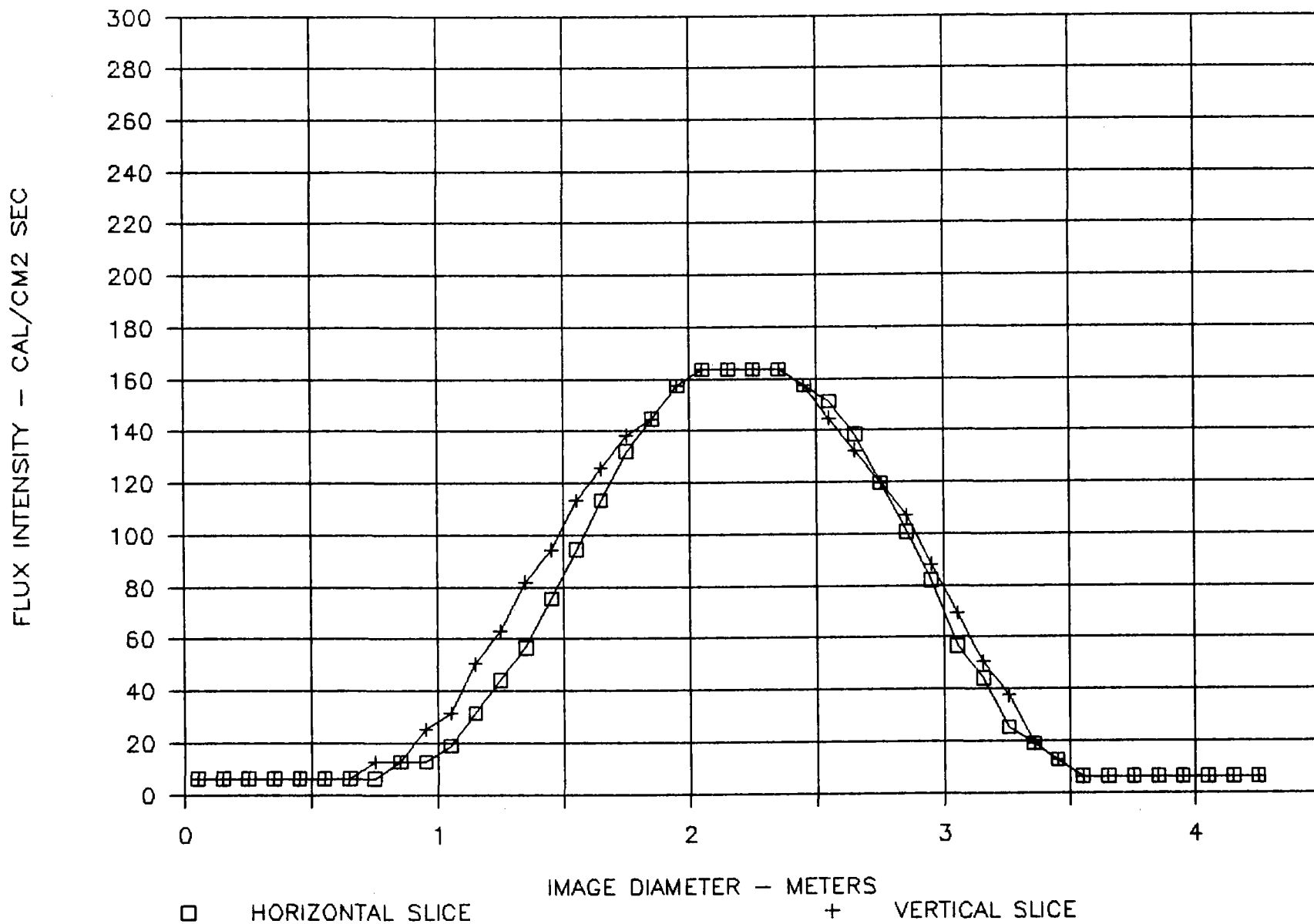
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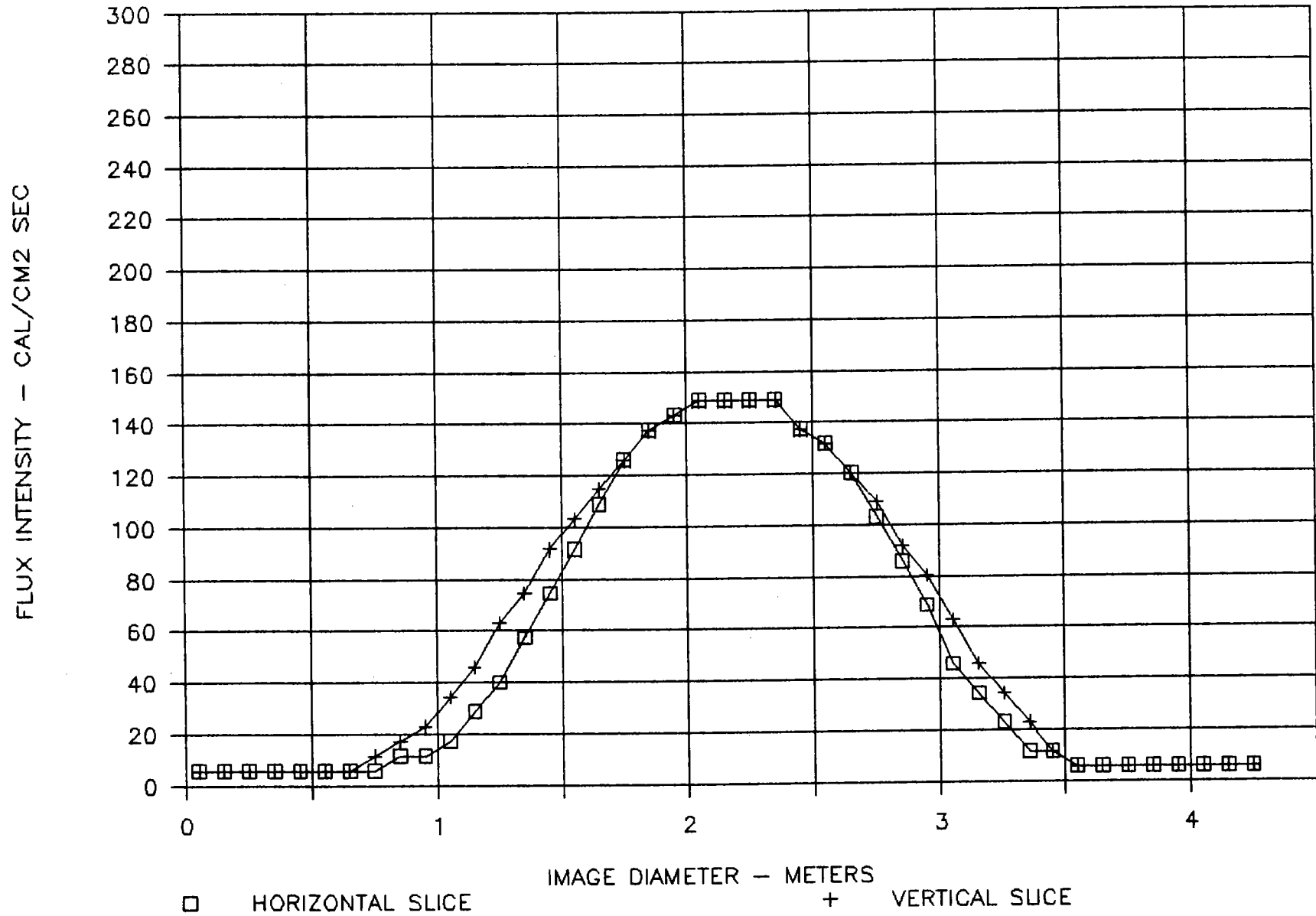
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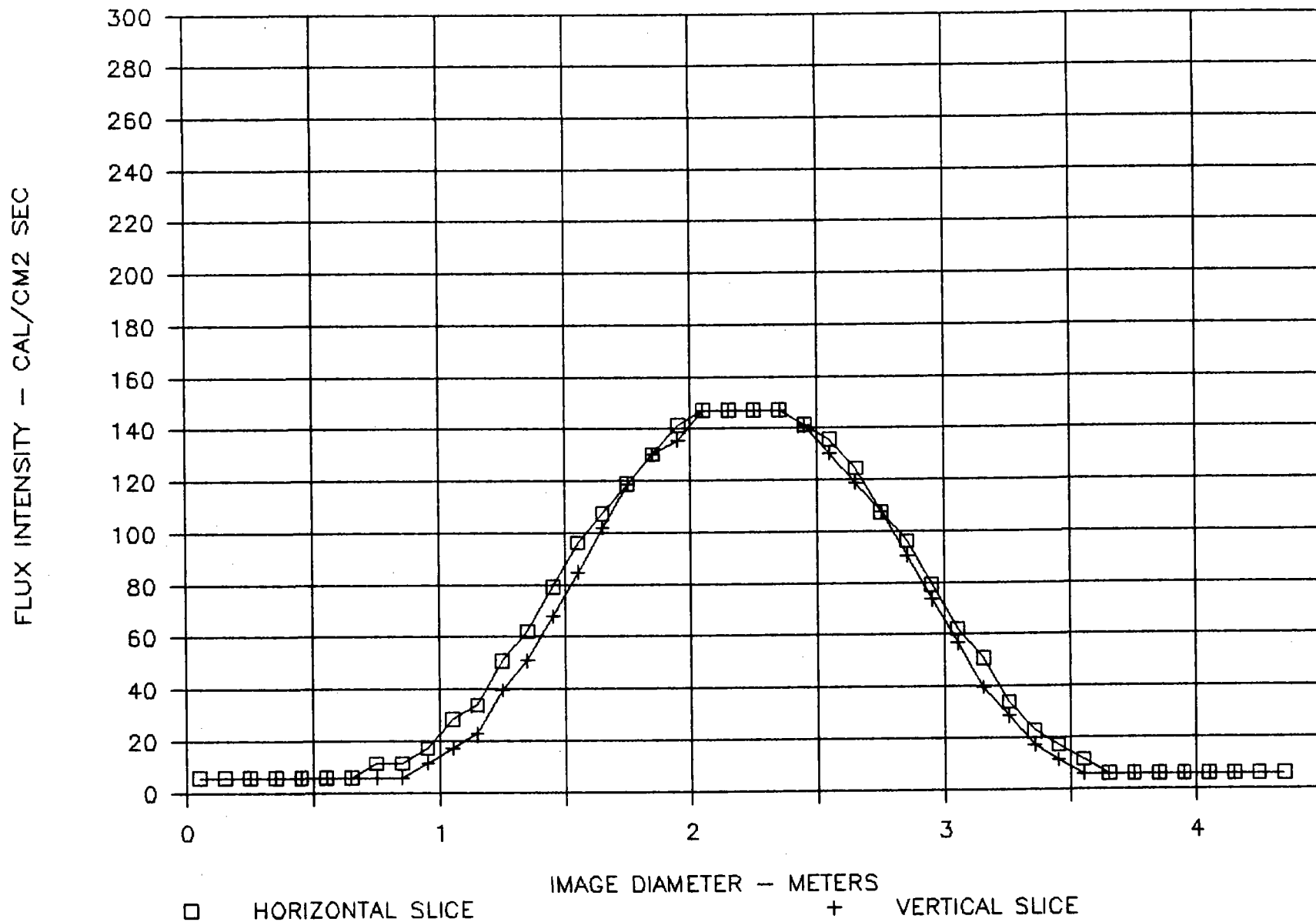
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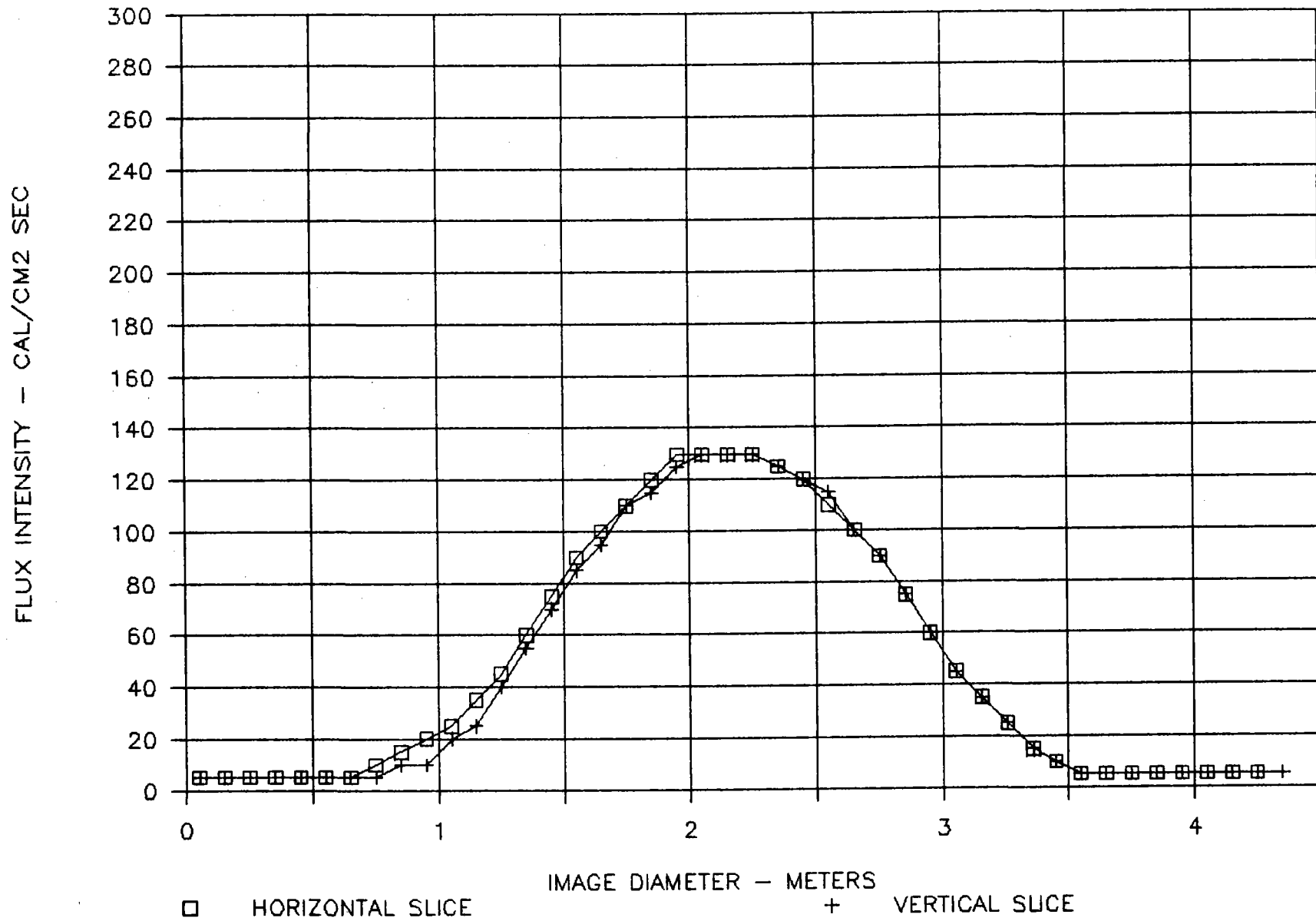
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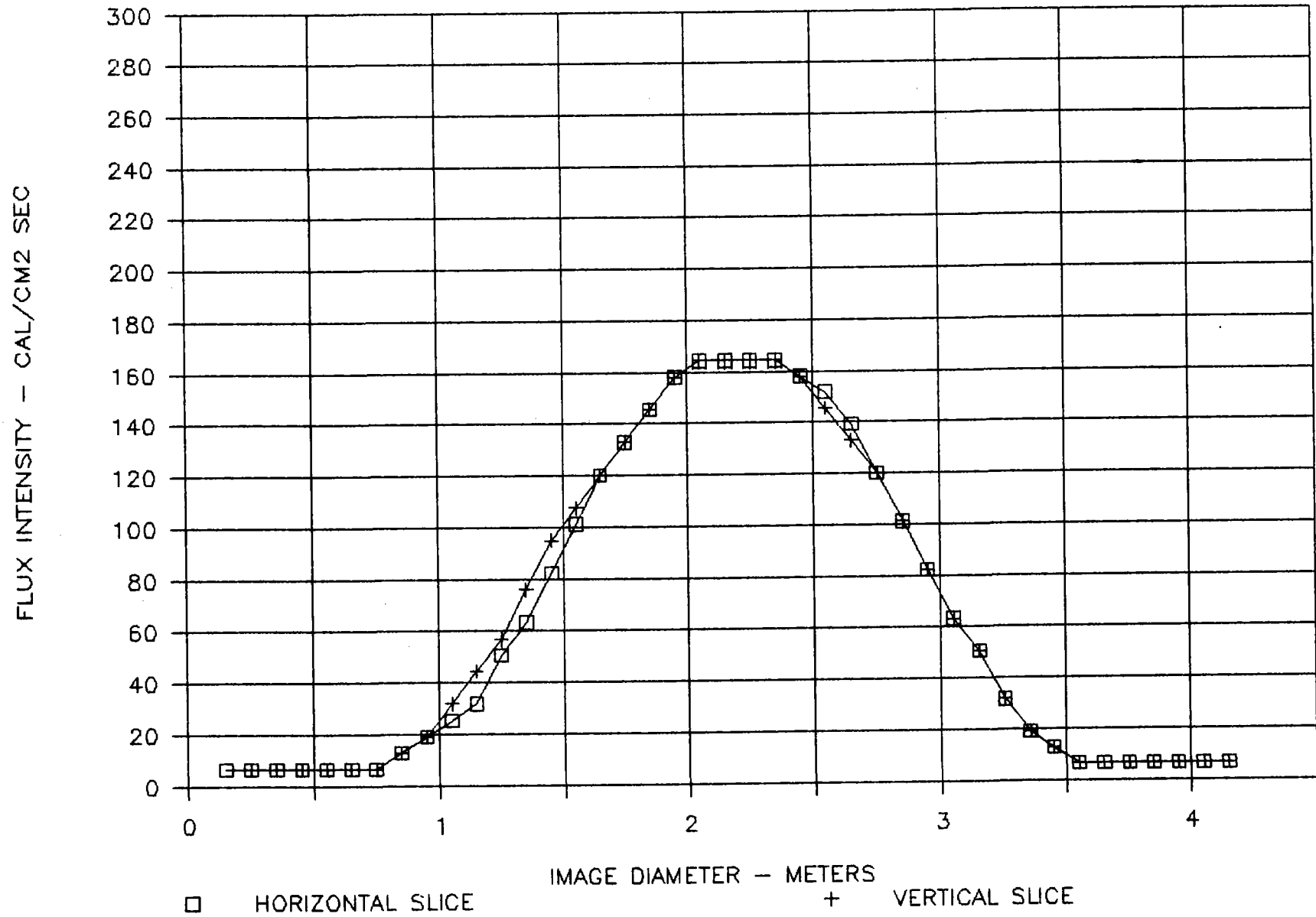
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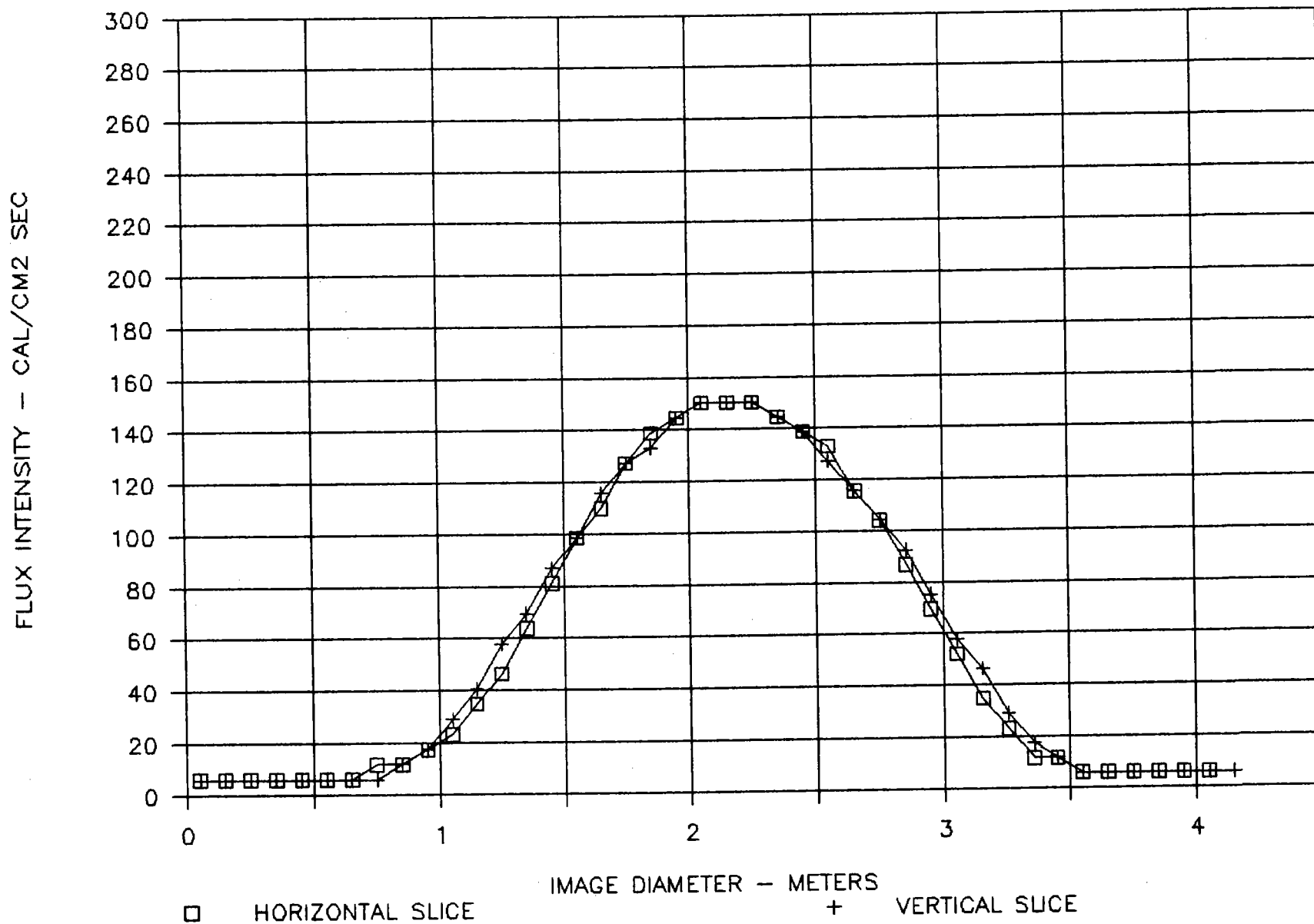
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WSW04120



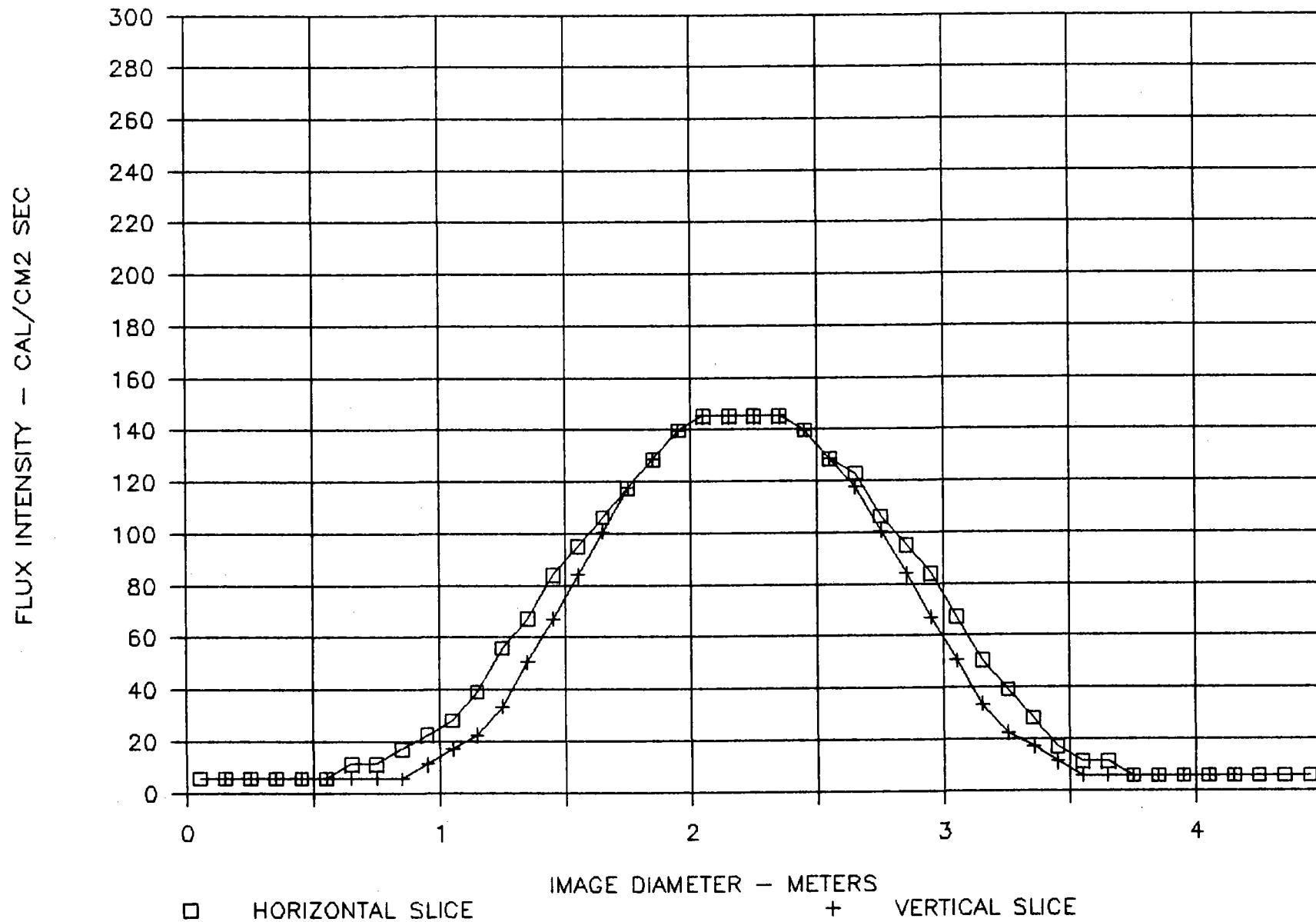
# RADIANT ENERGY FLUX PROFILE

WSW04100



# RADIANT ENERGY FLUX PROFILE

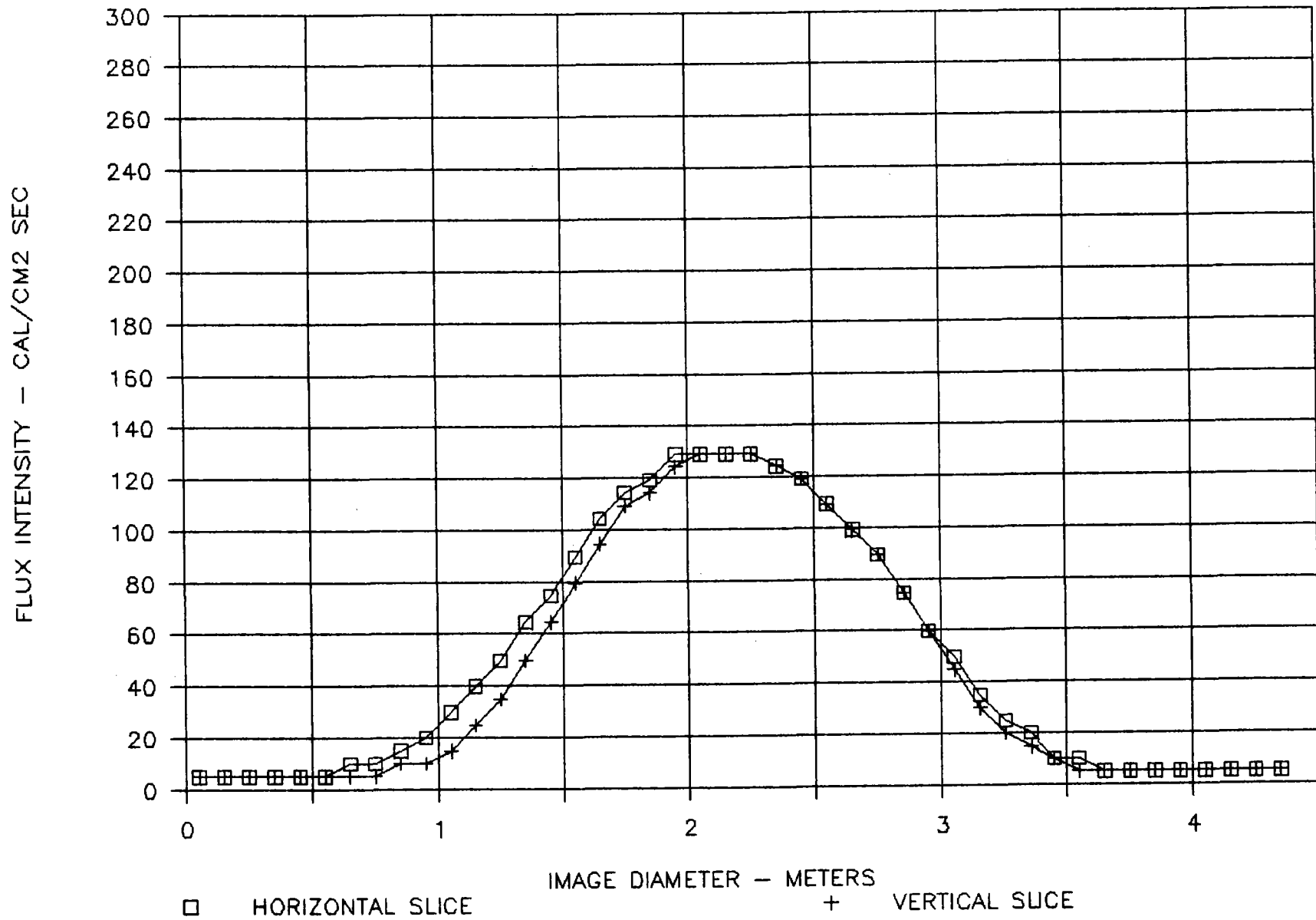
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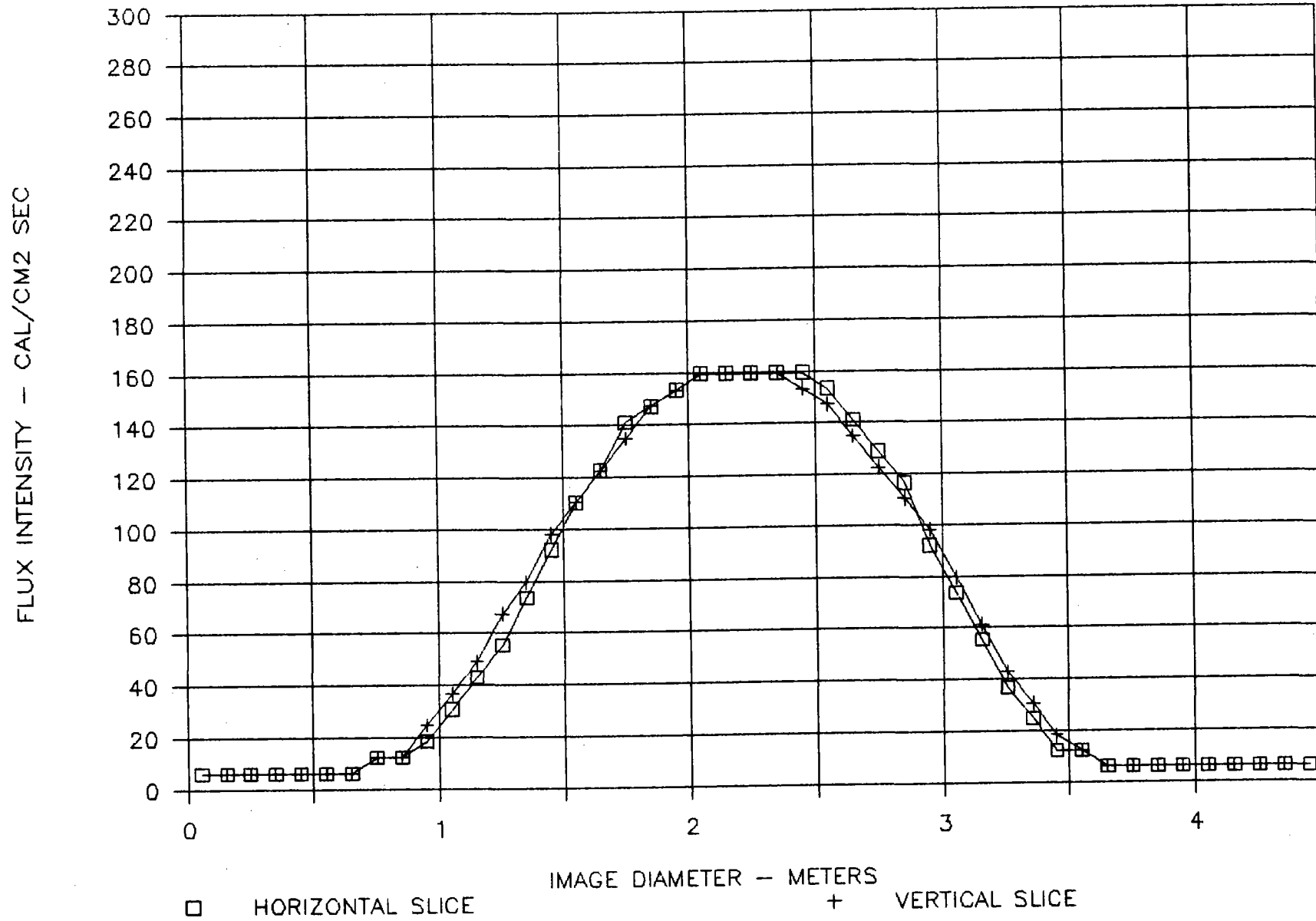
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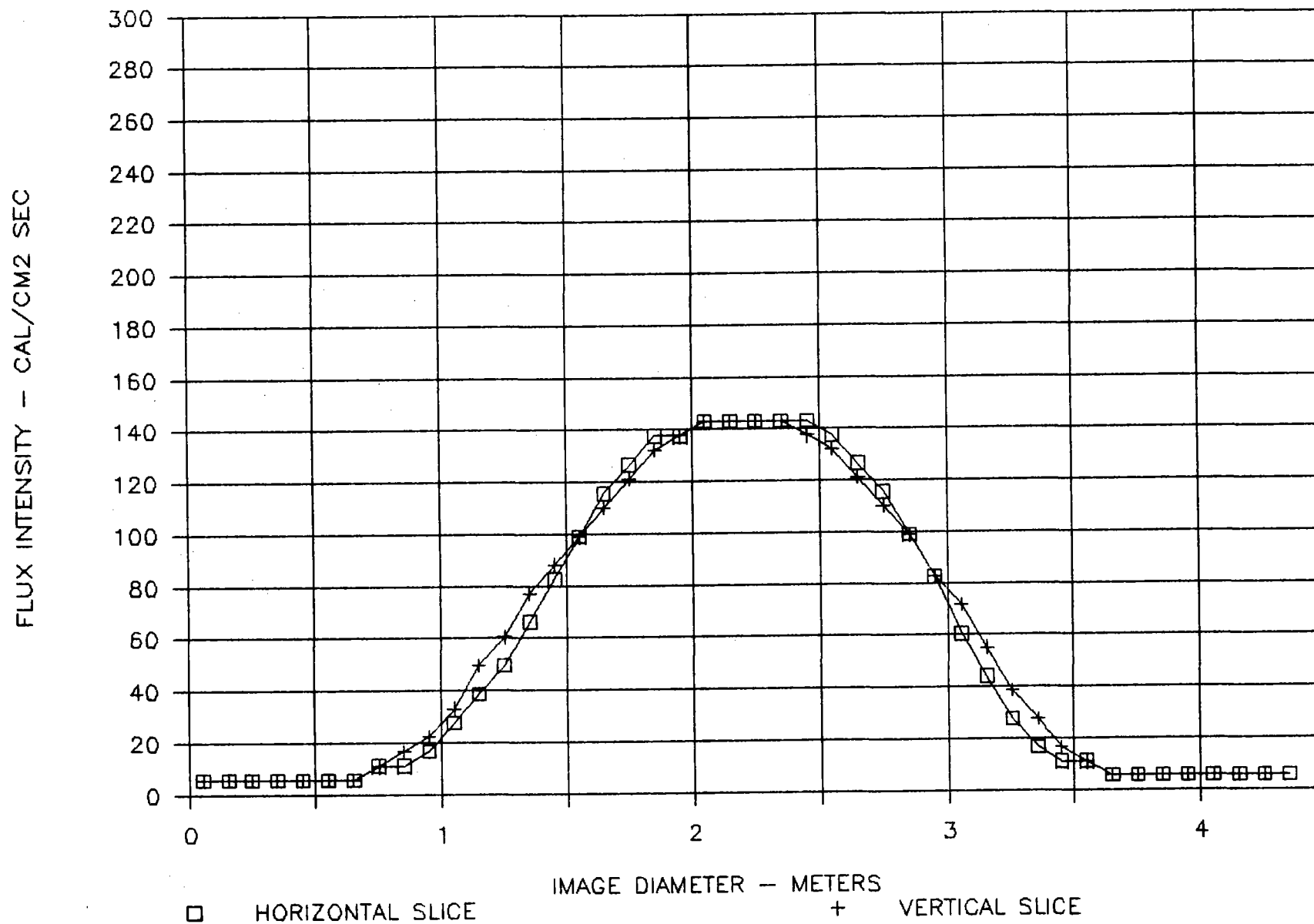
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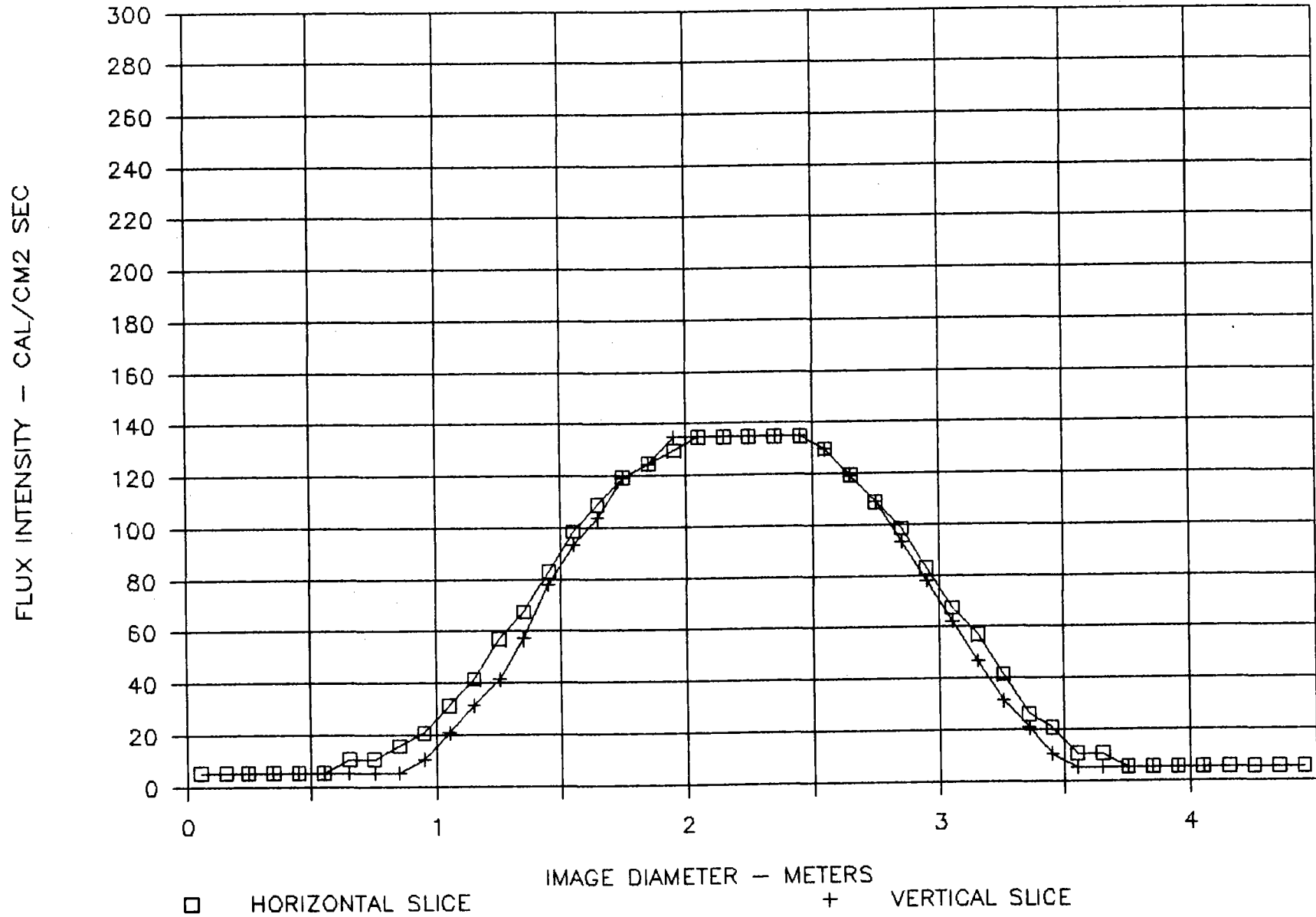
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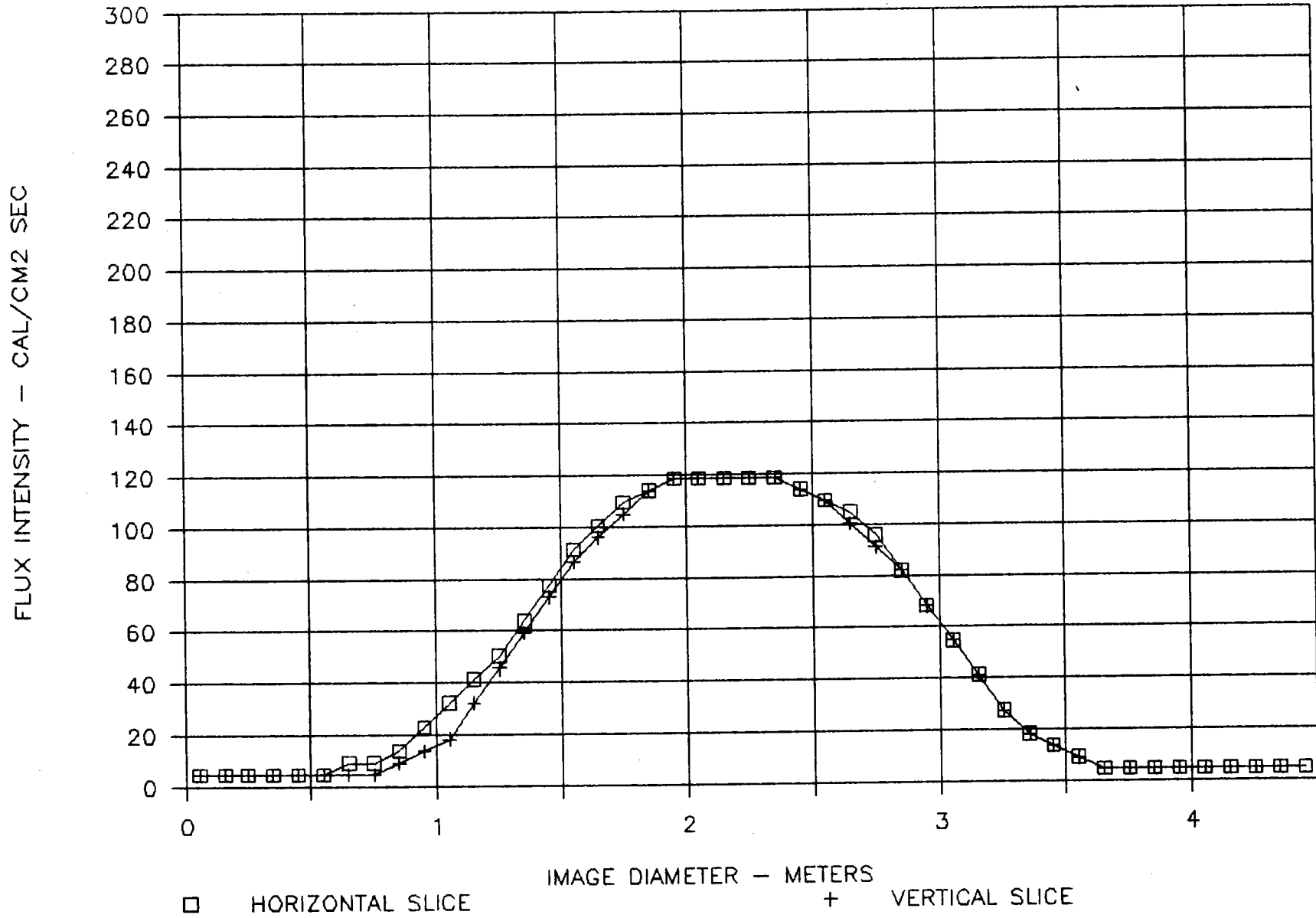
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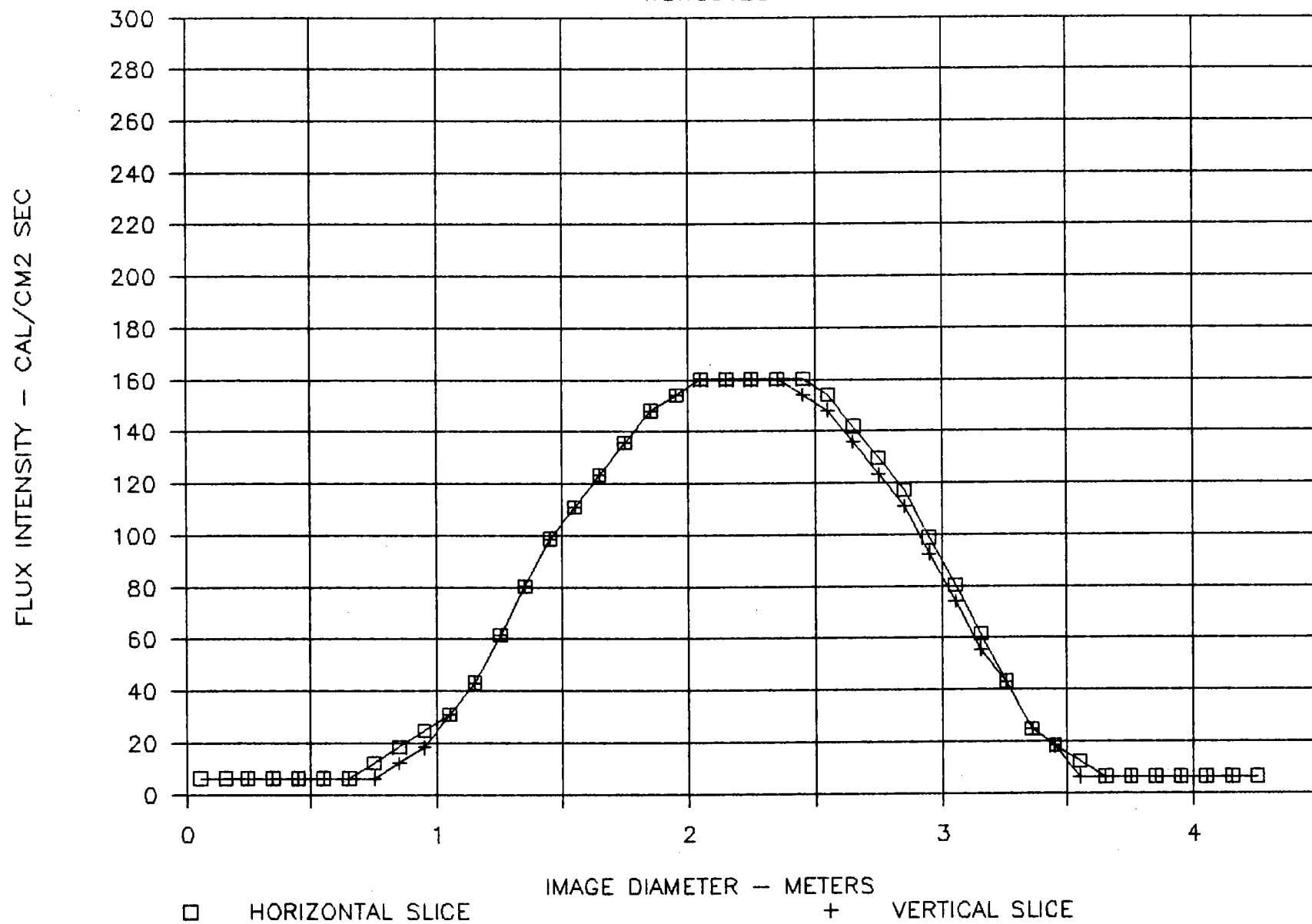
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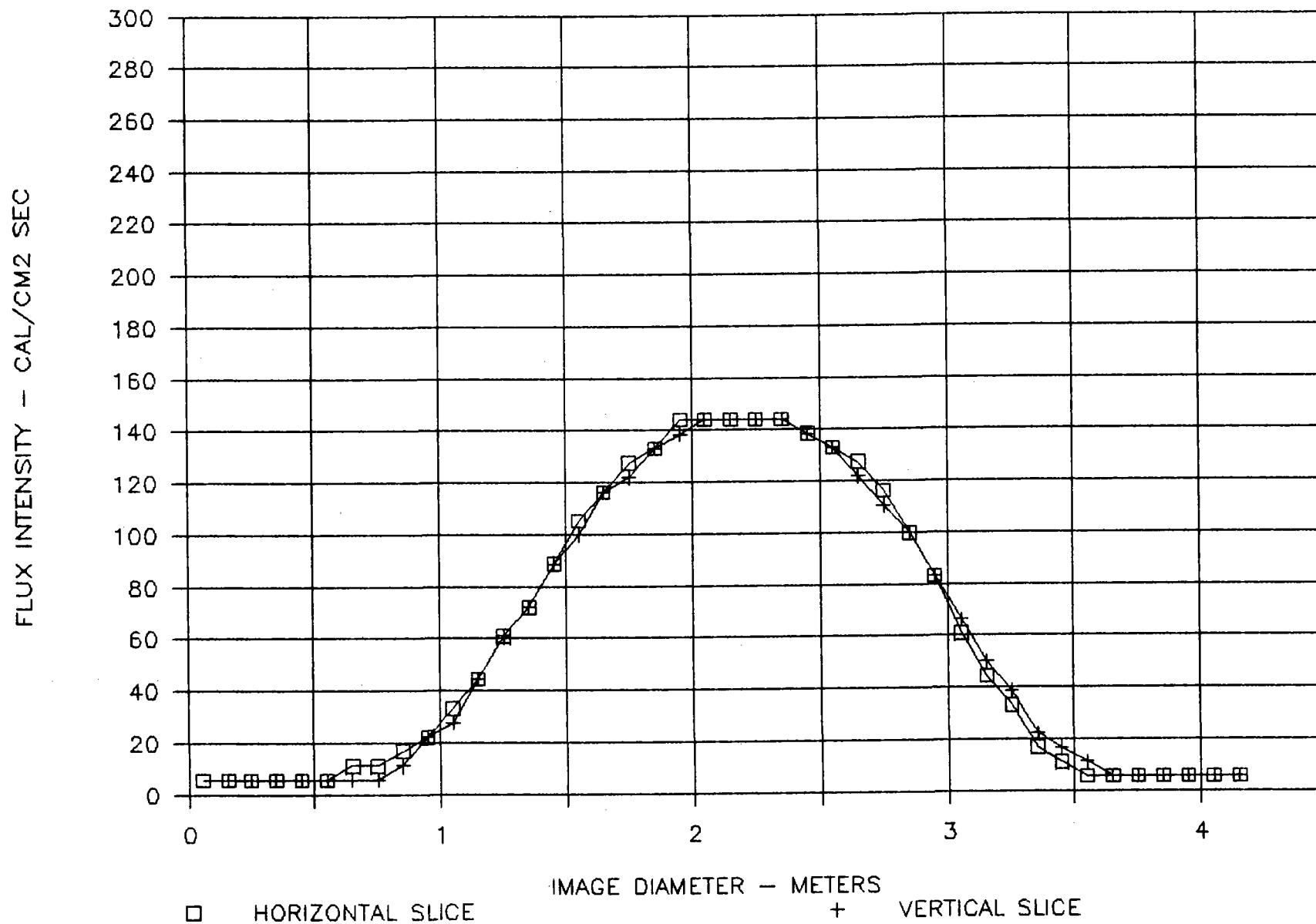
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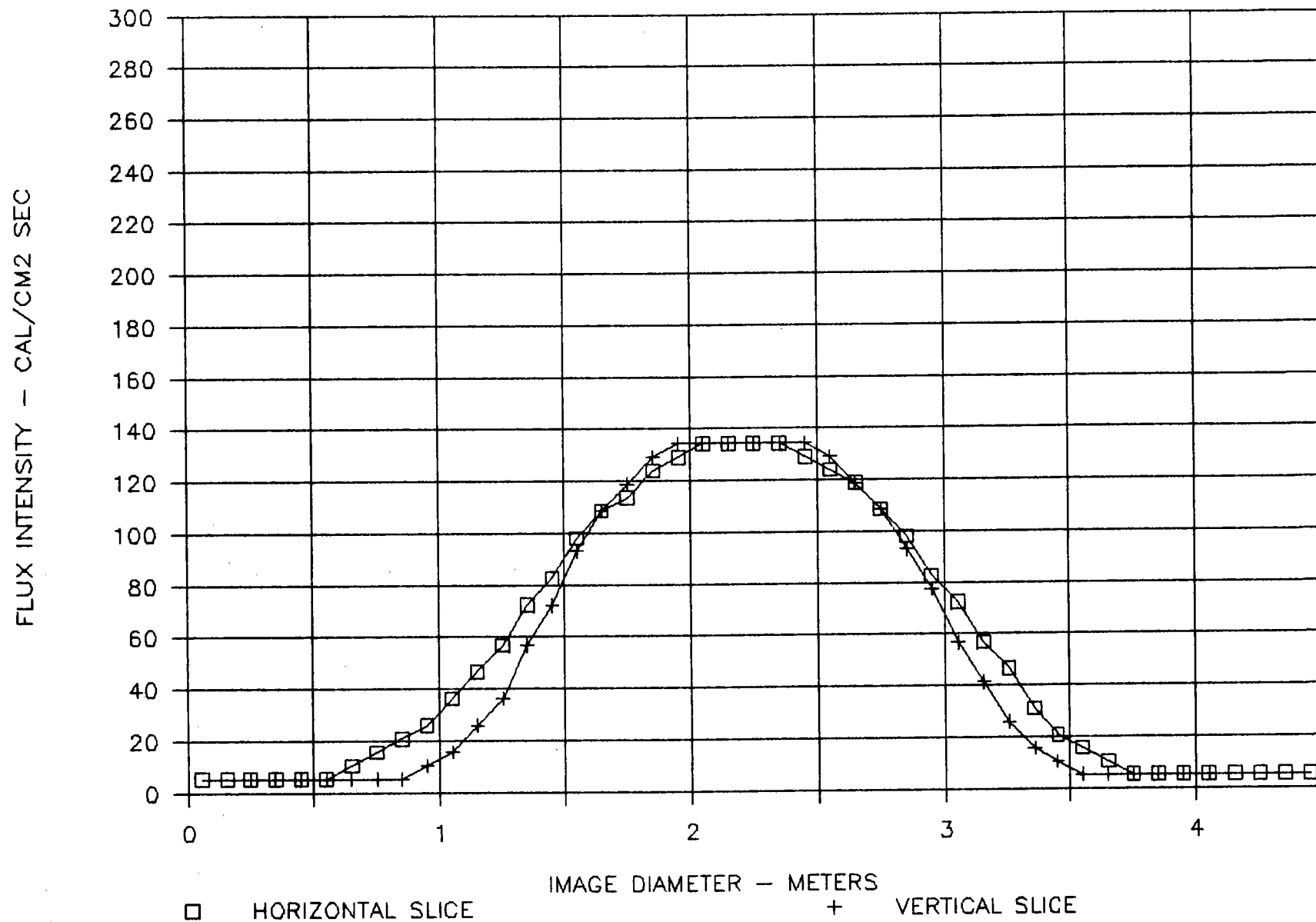
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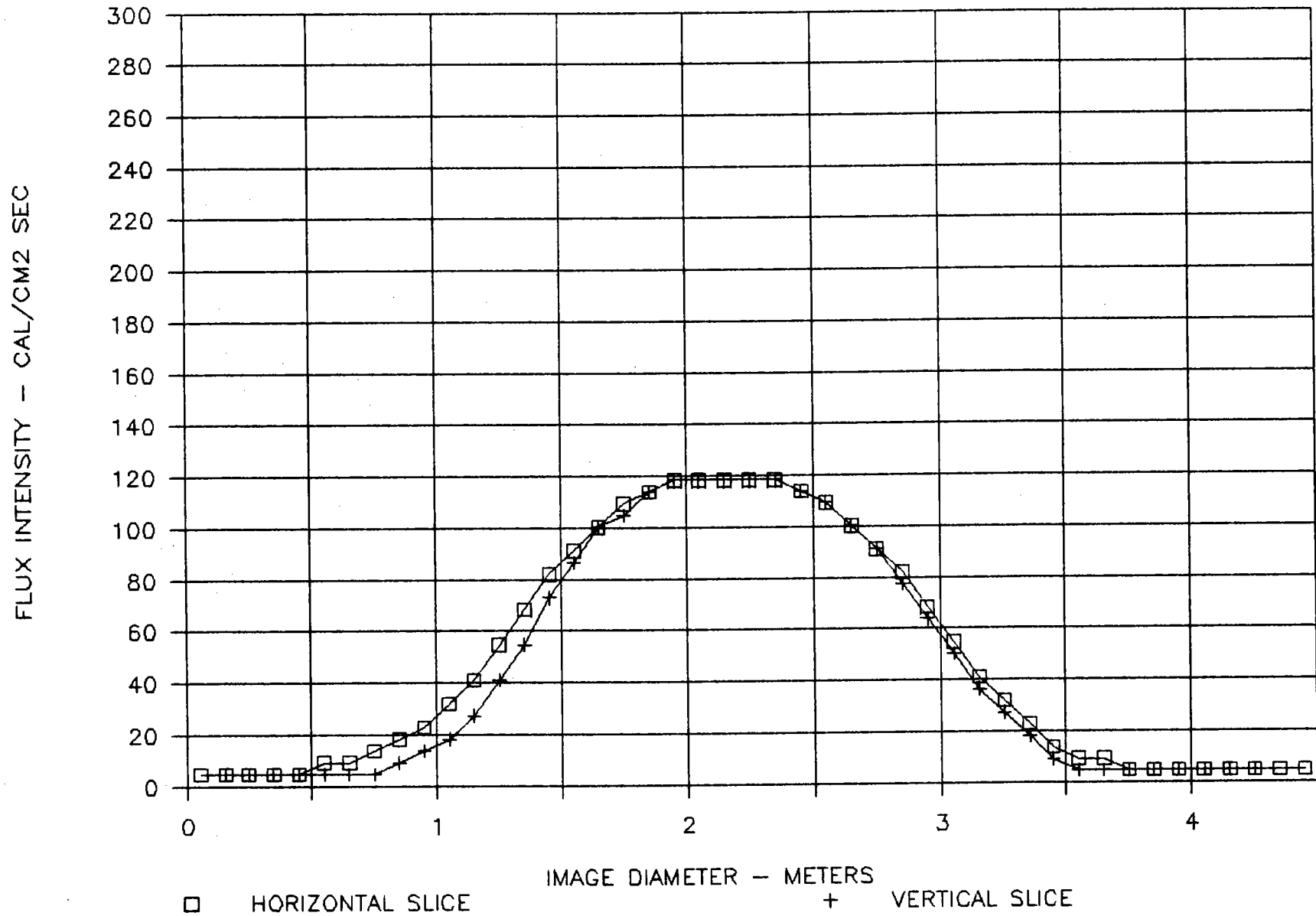
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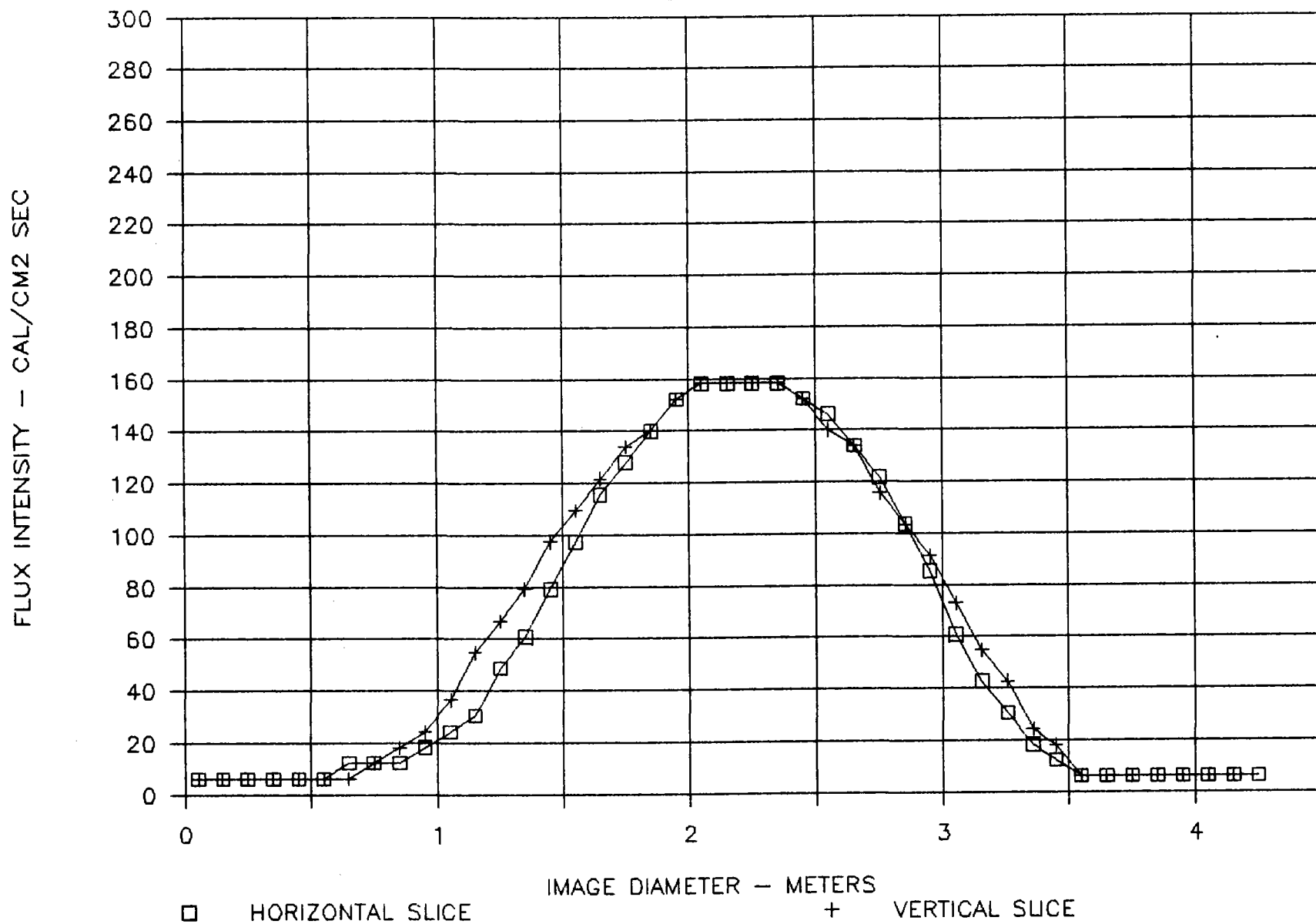
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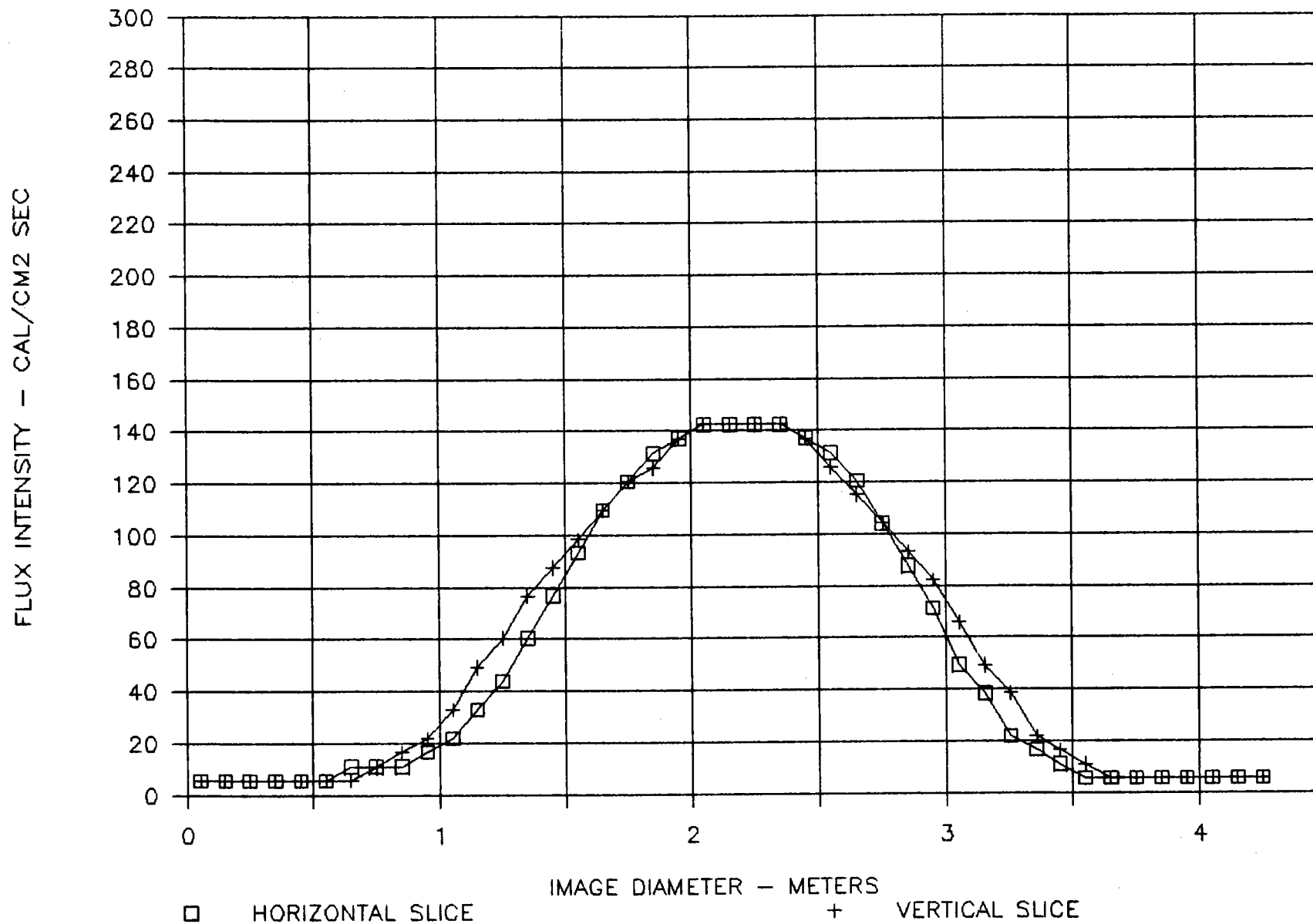
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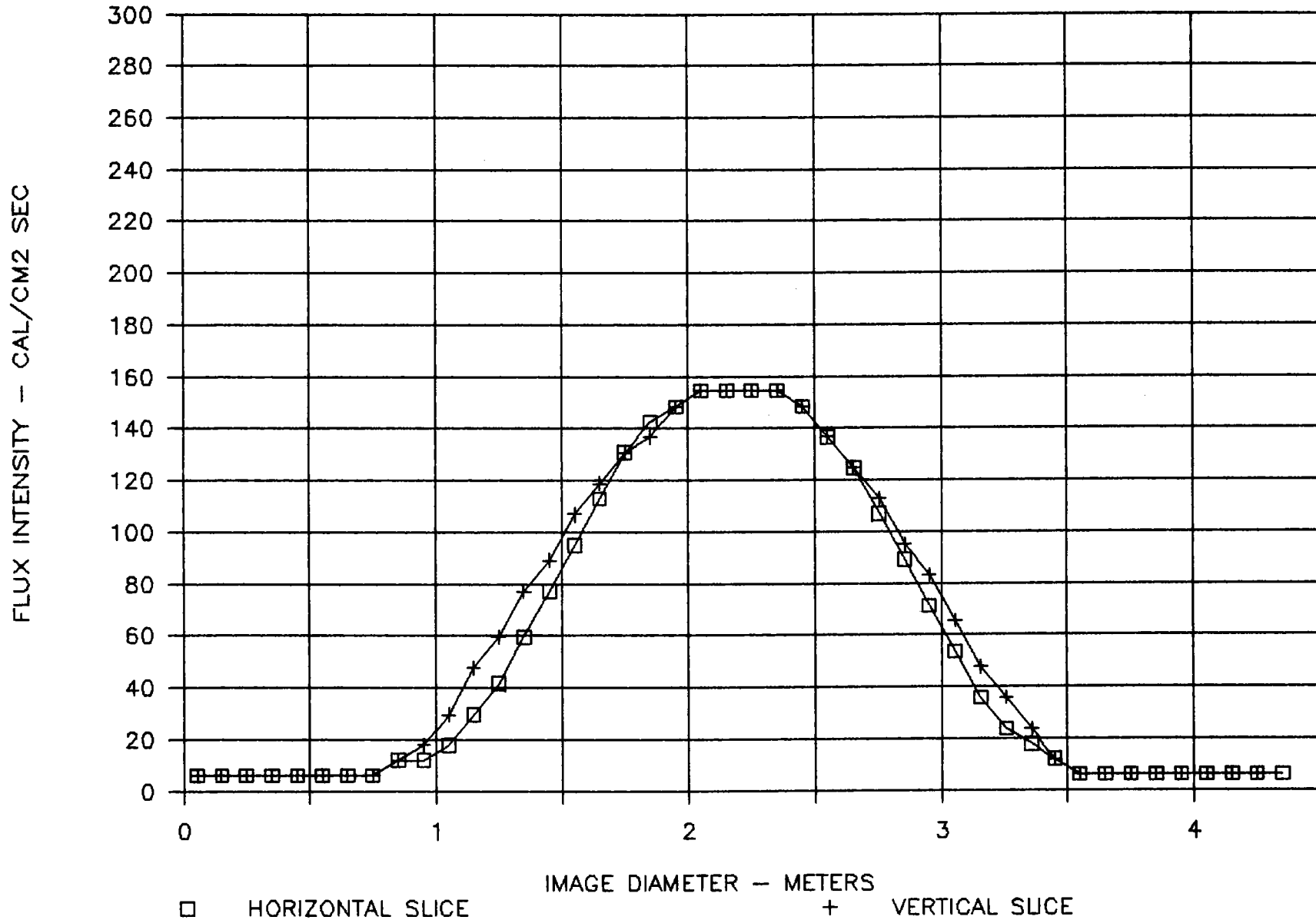
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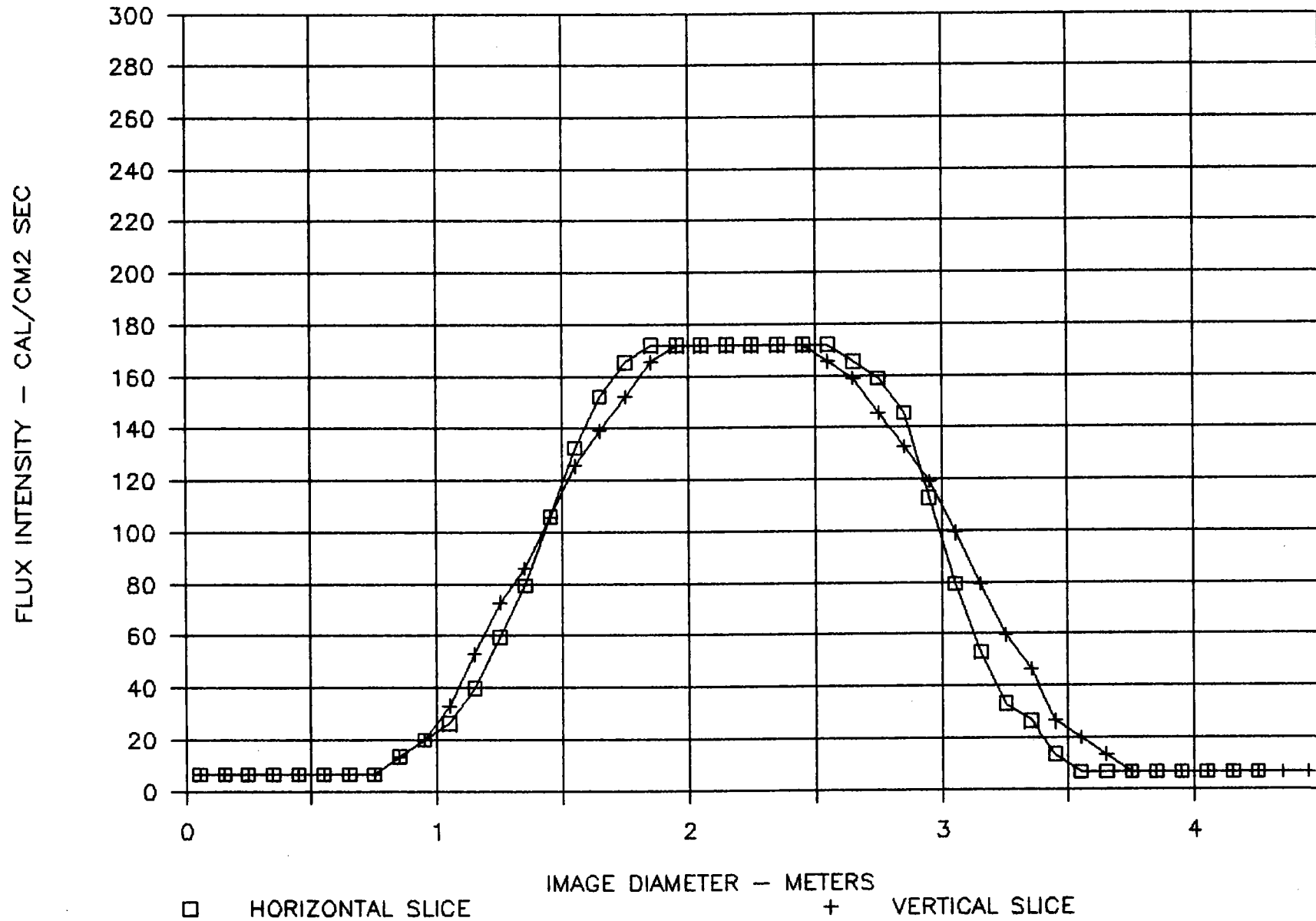
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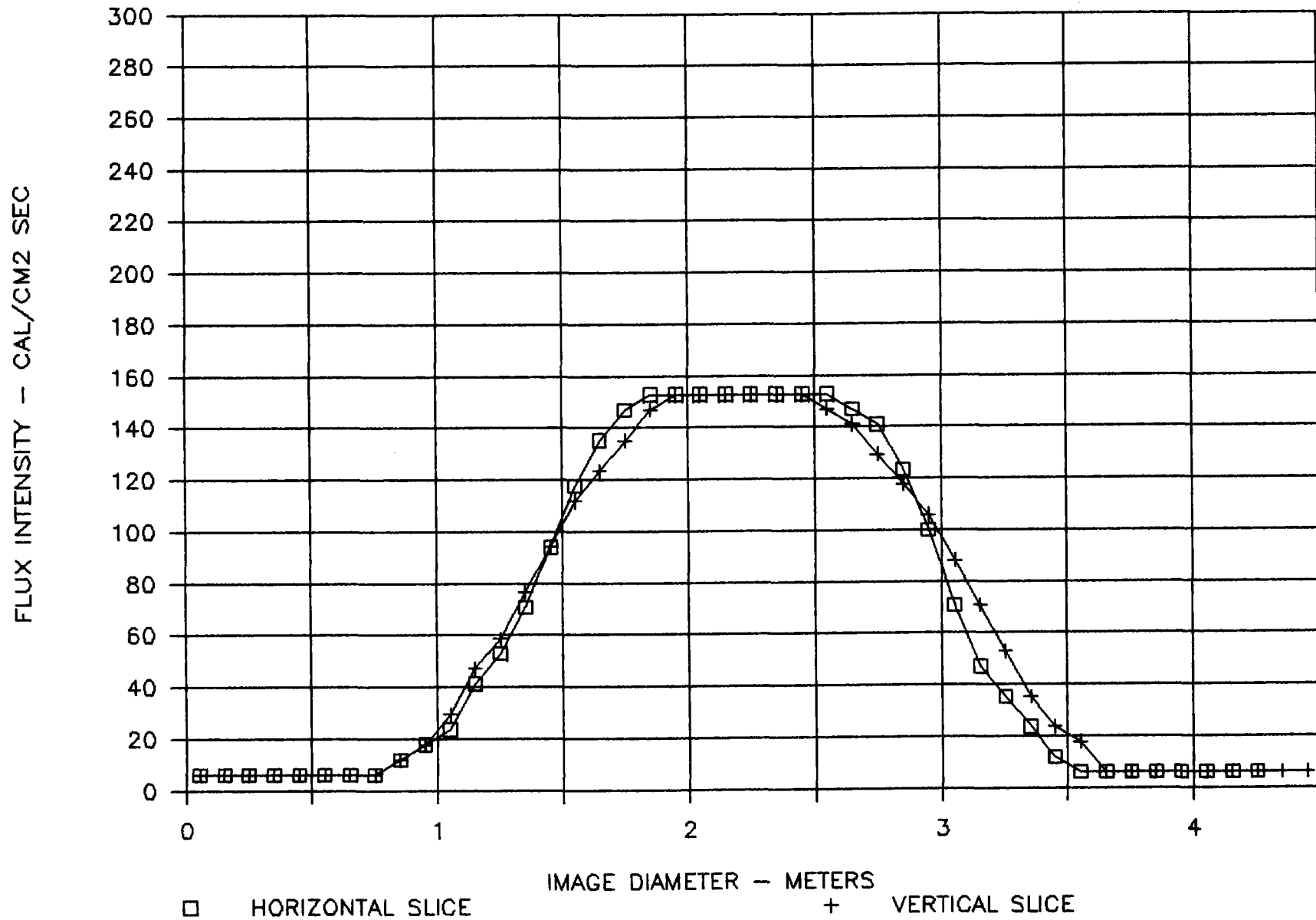
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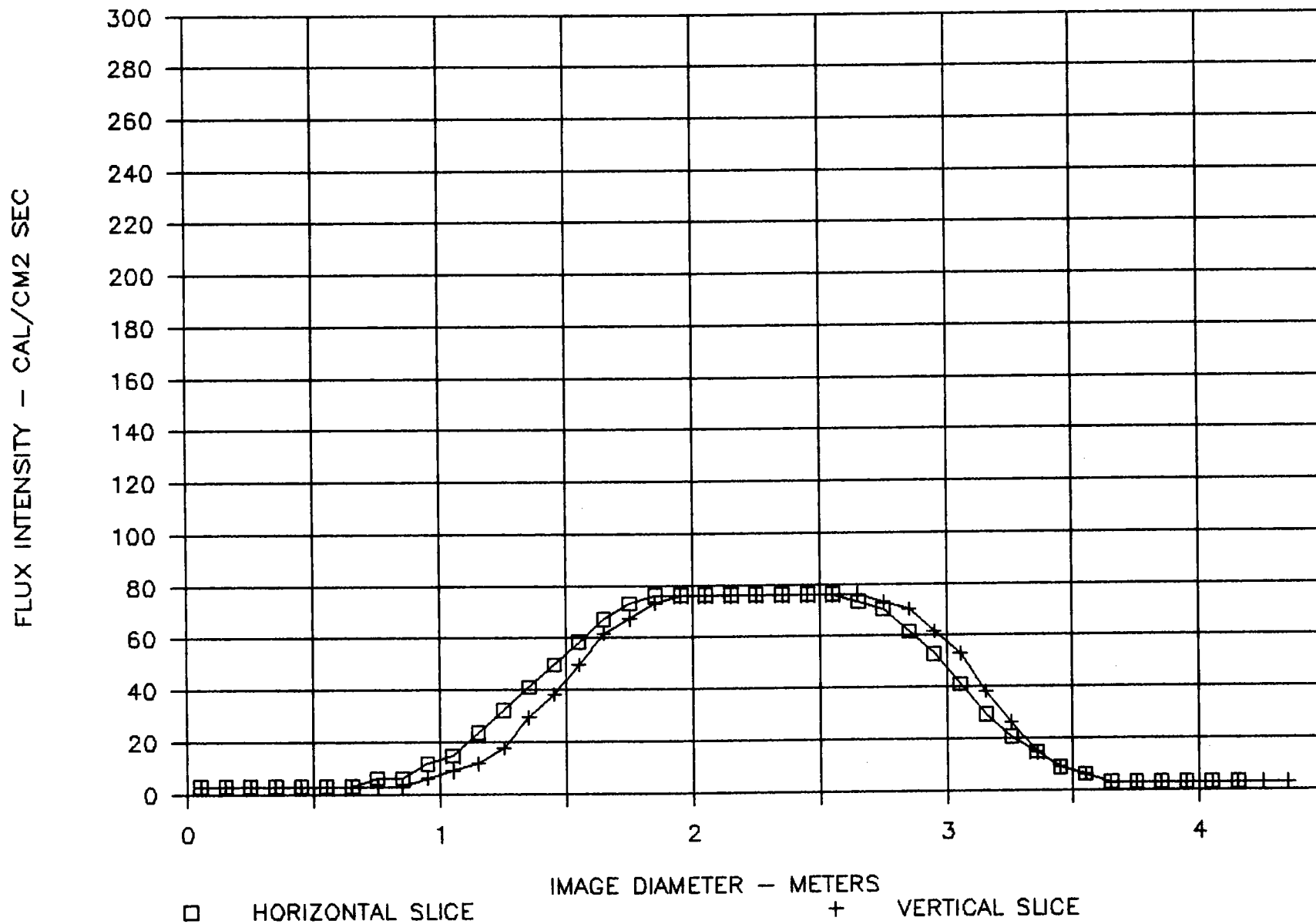
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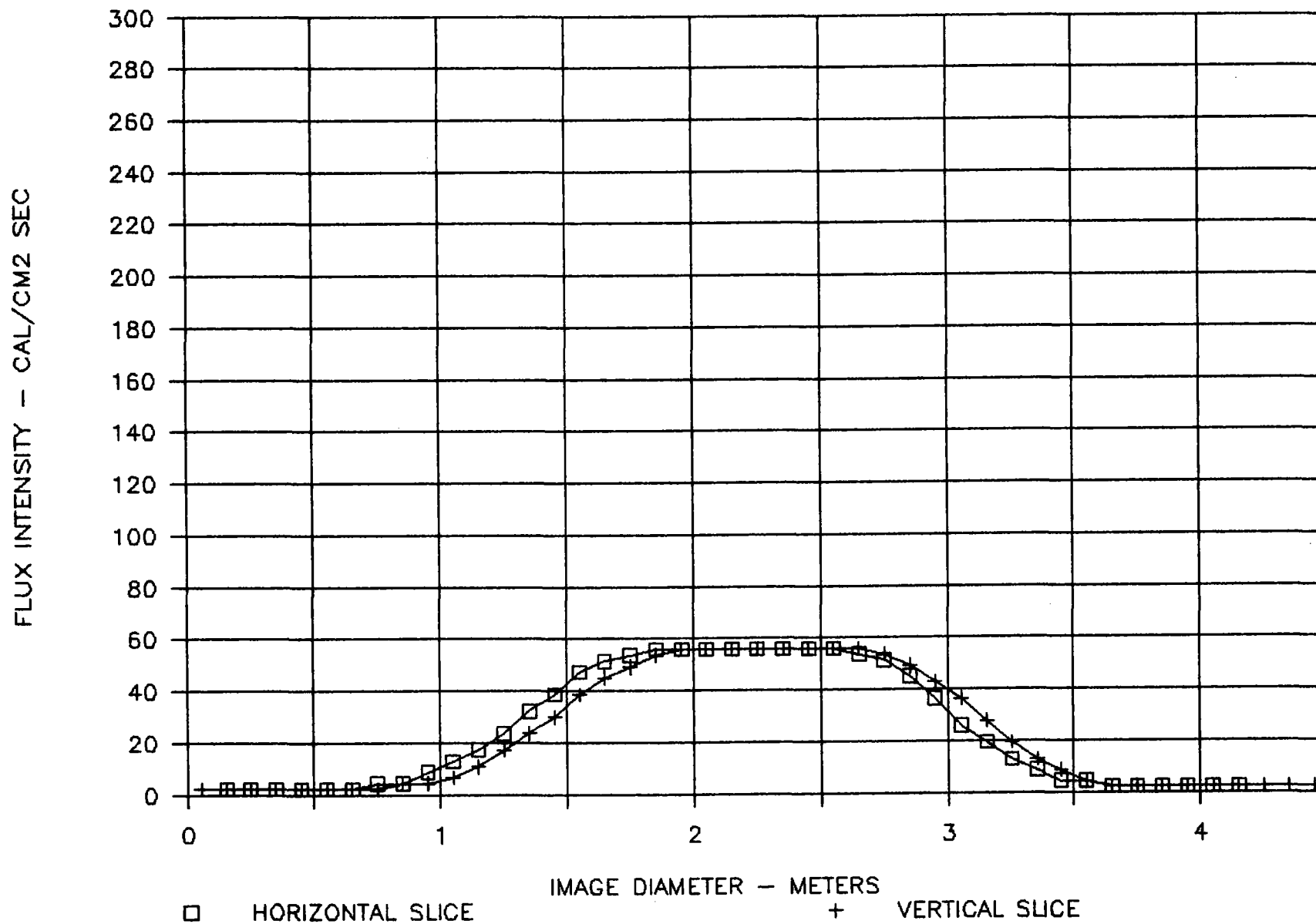
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WSS09120



# RADIANT ENERGY FLUX PROFILE

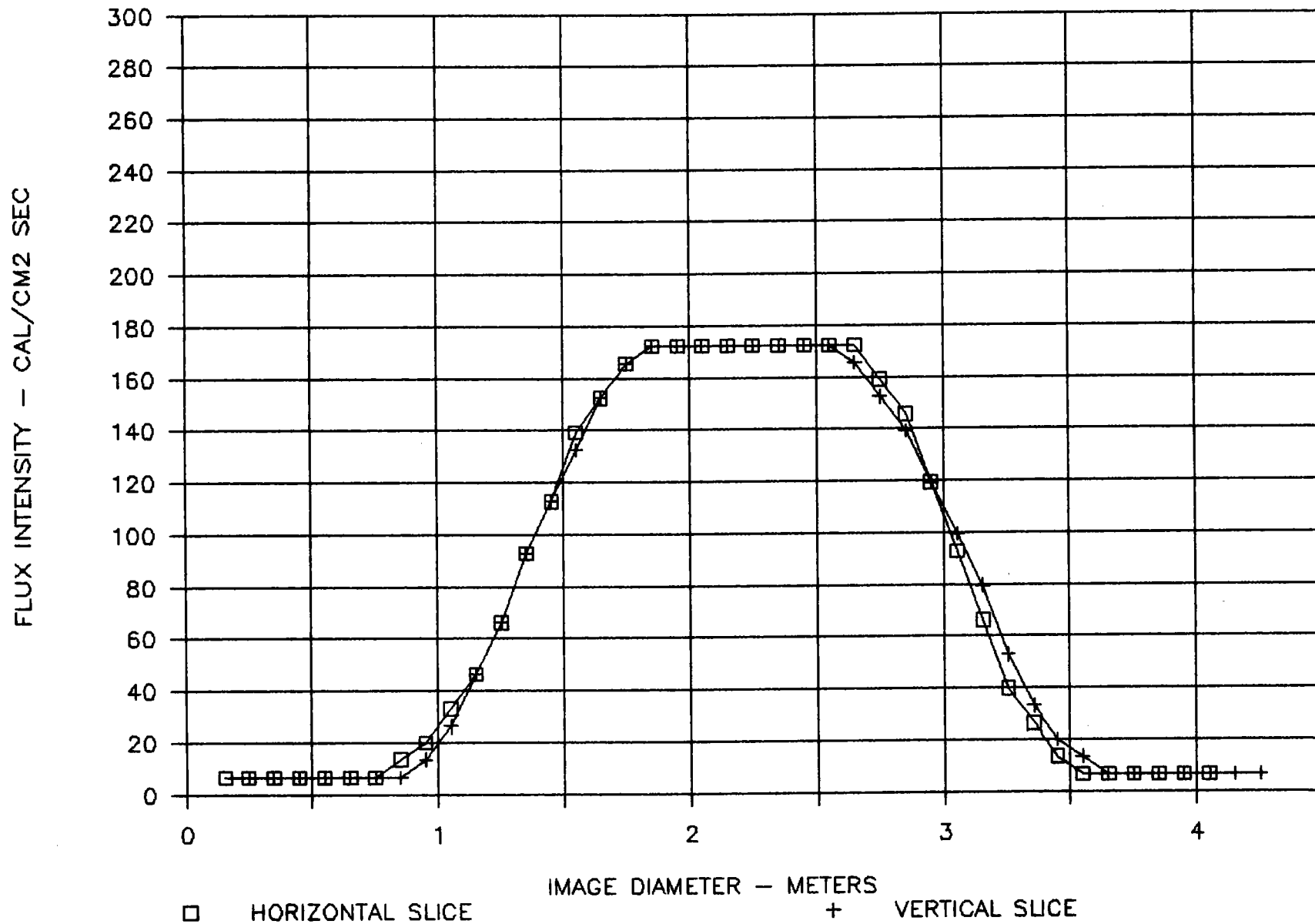
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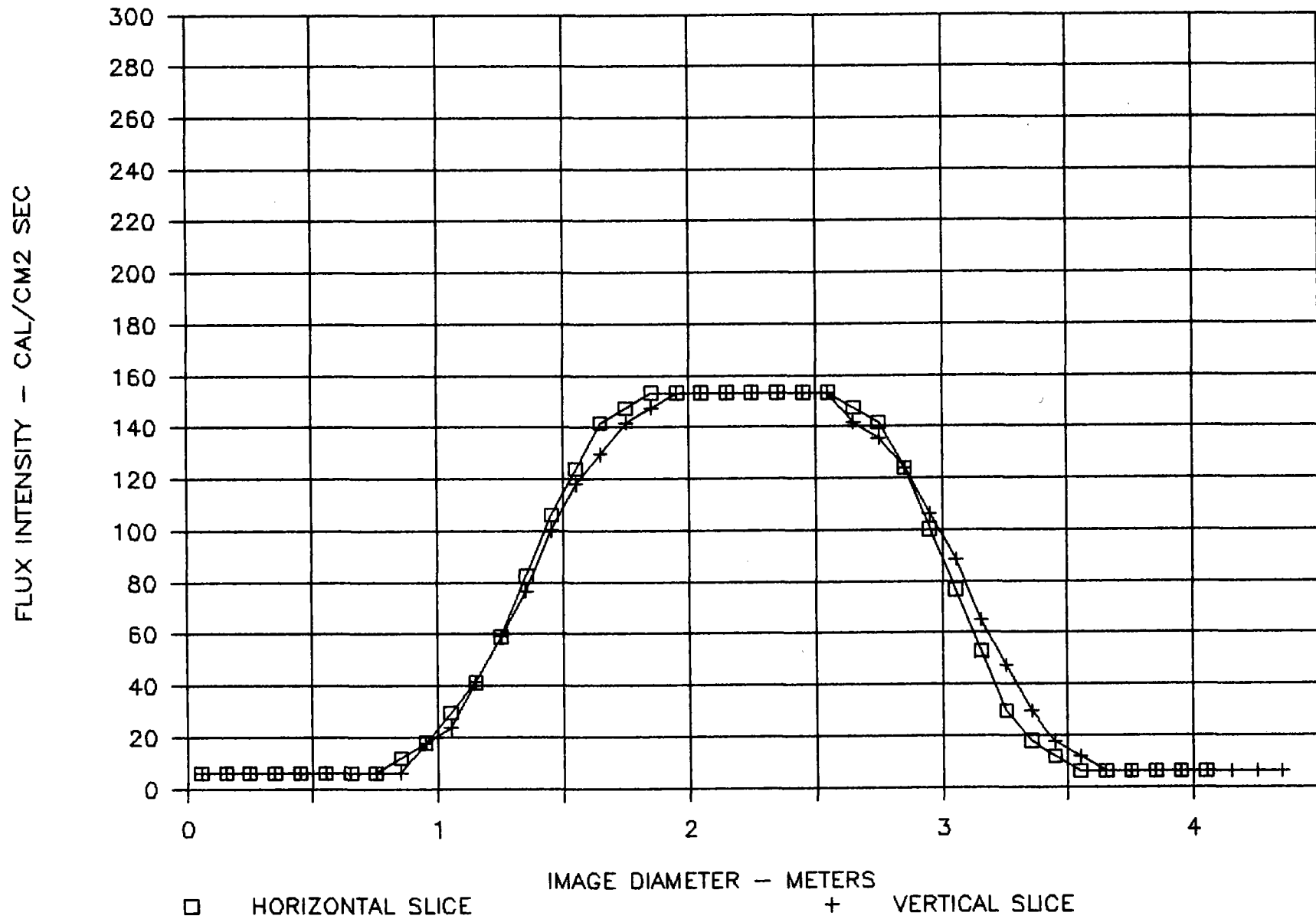
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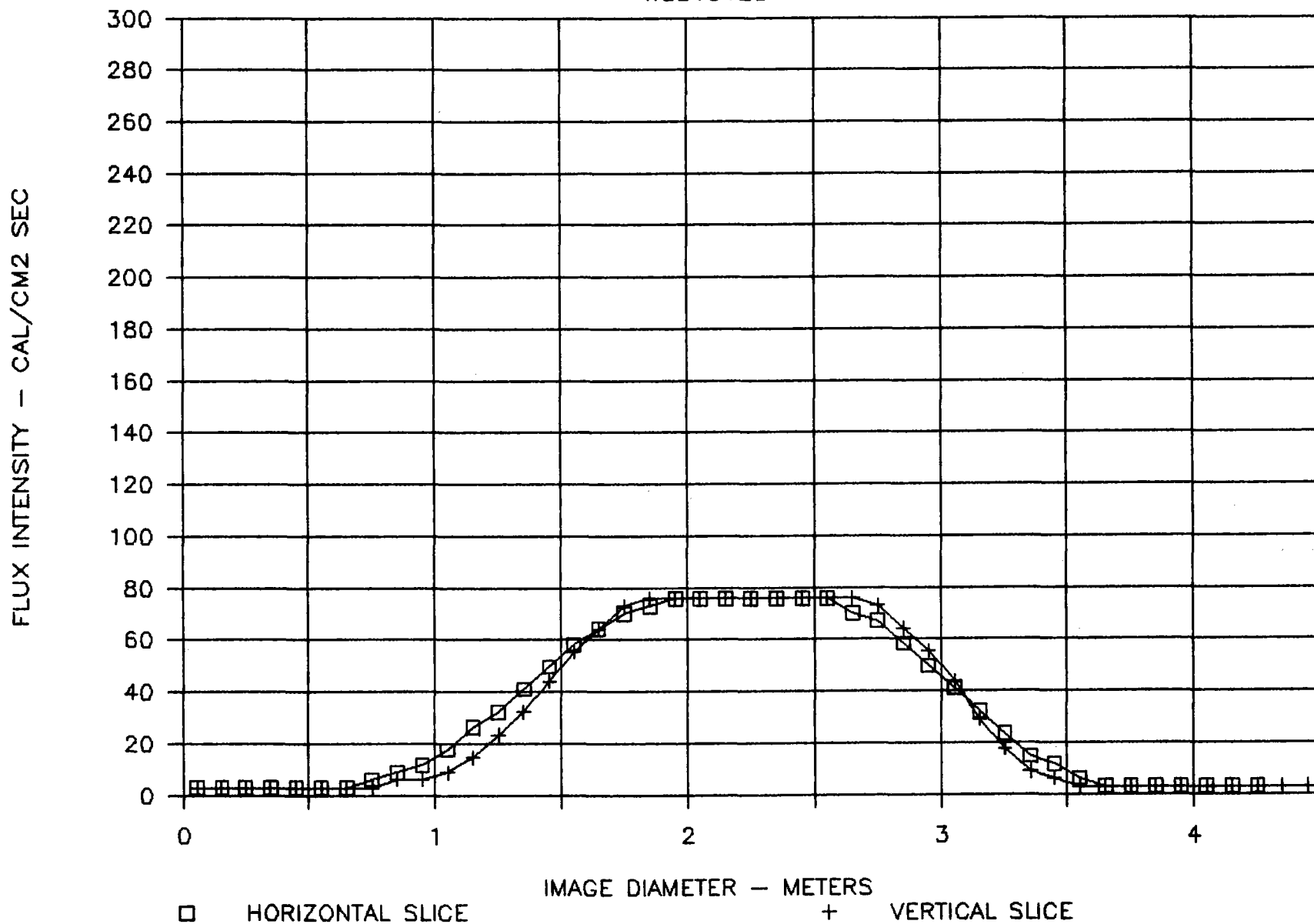
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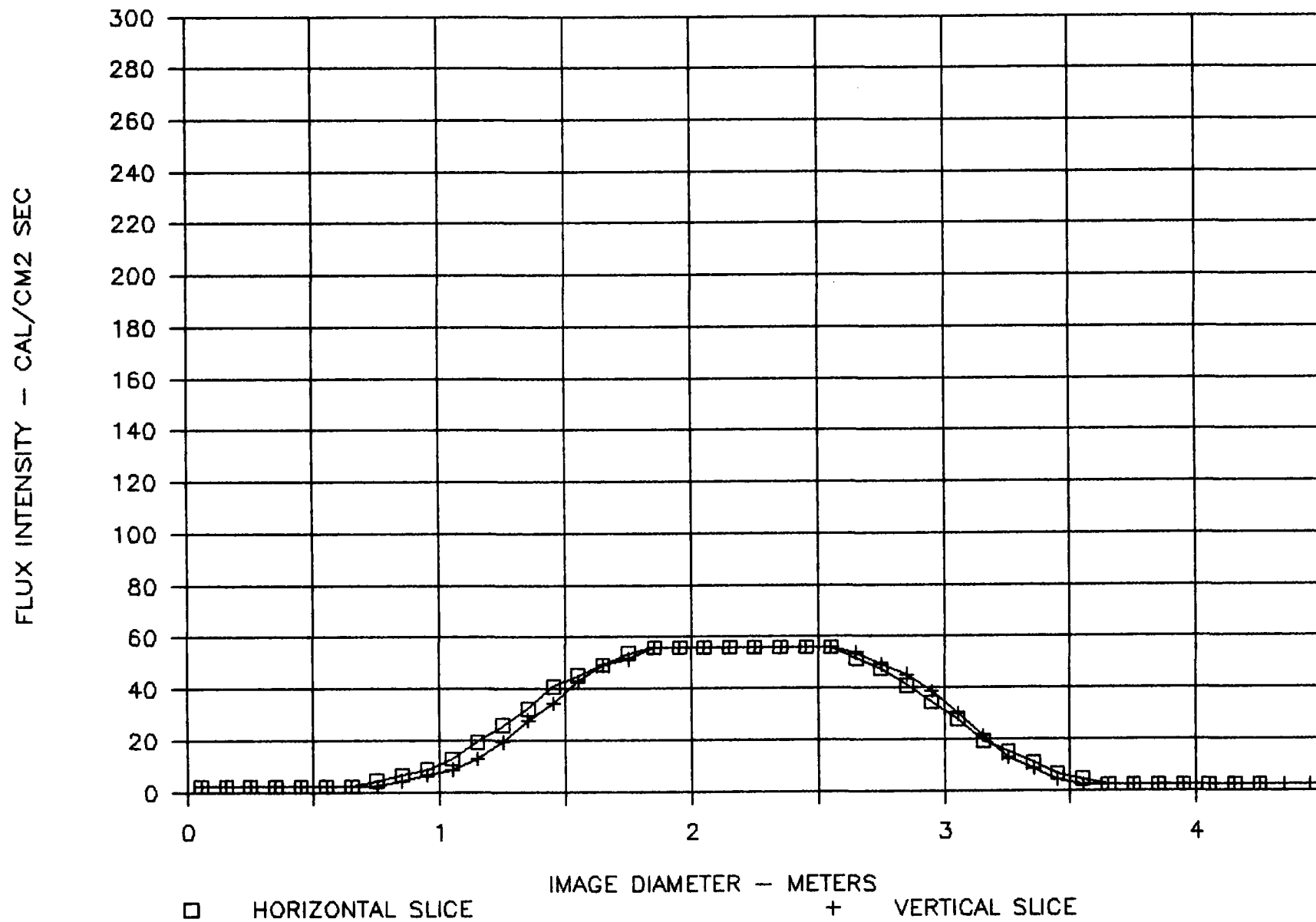
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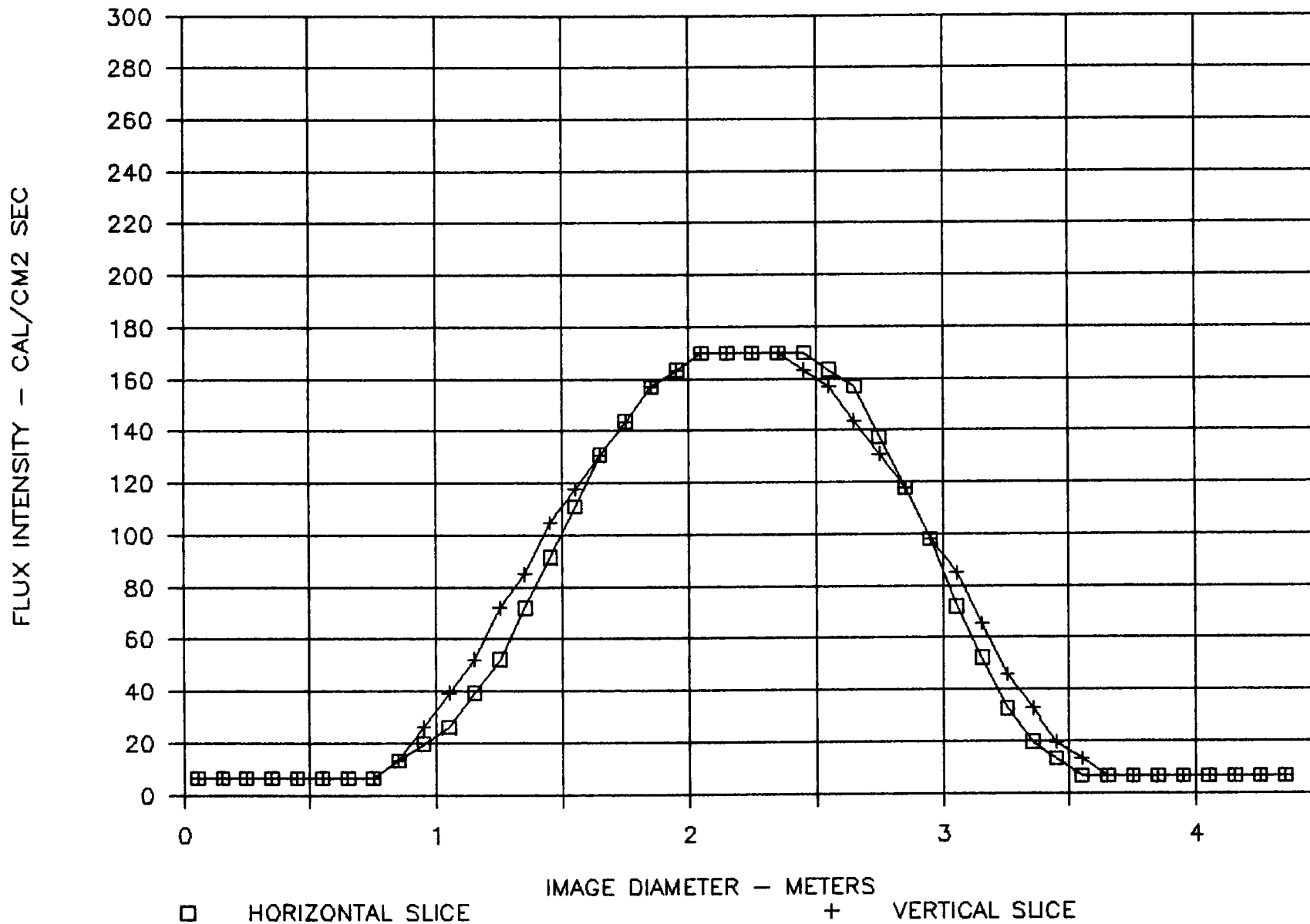
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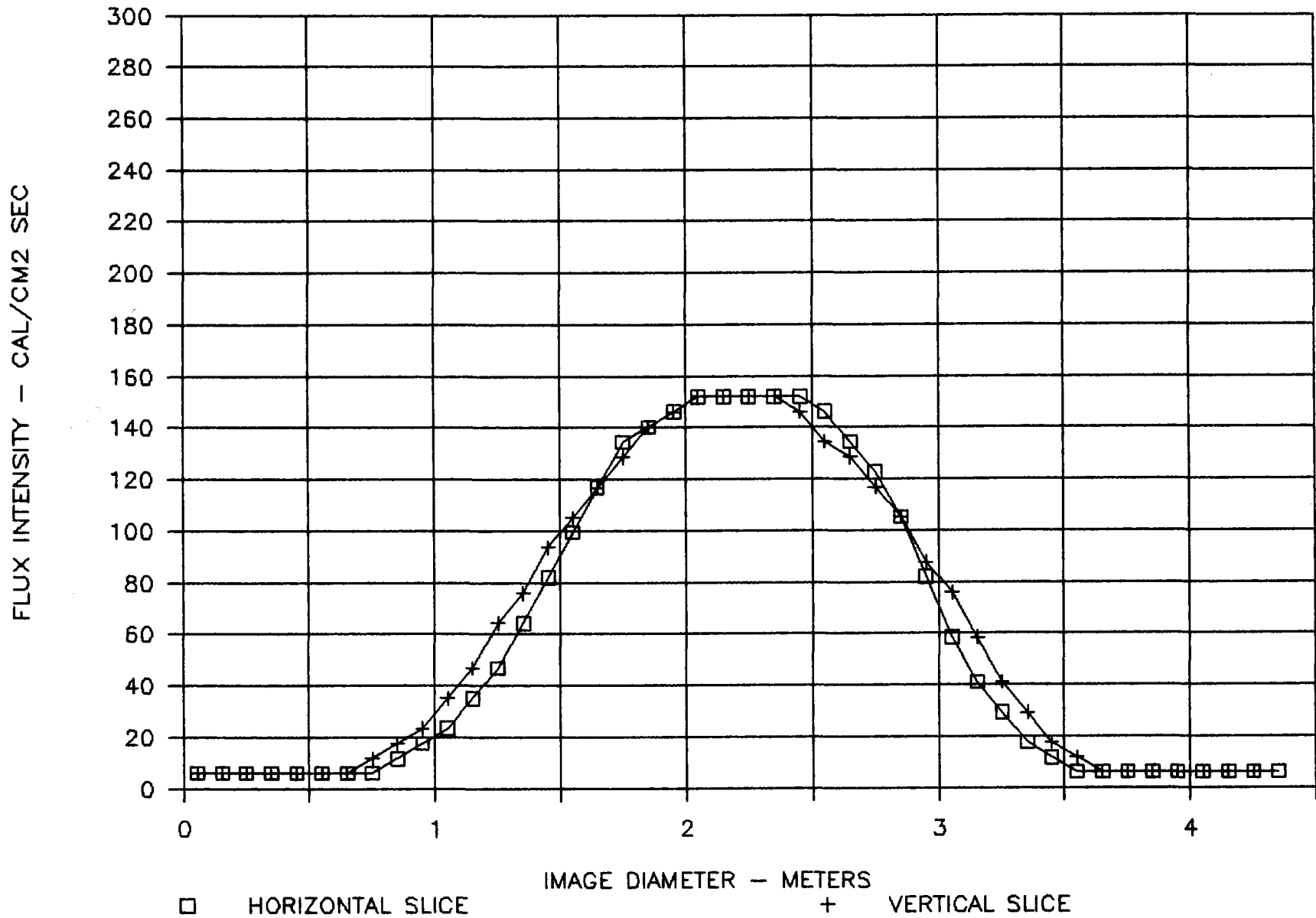
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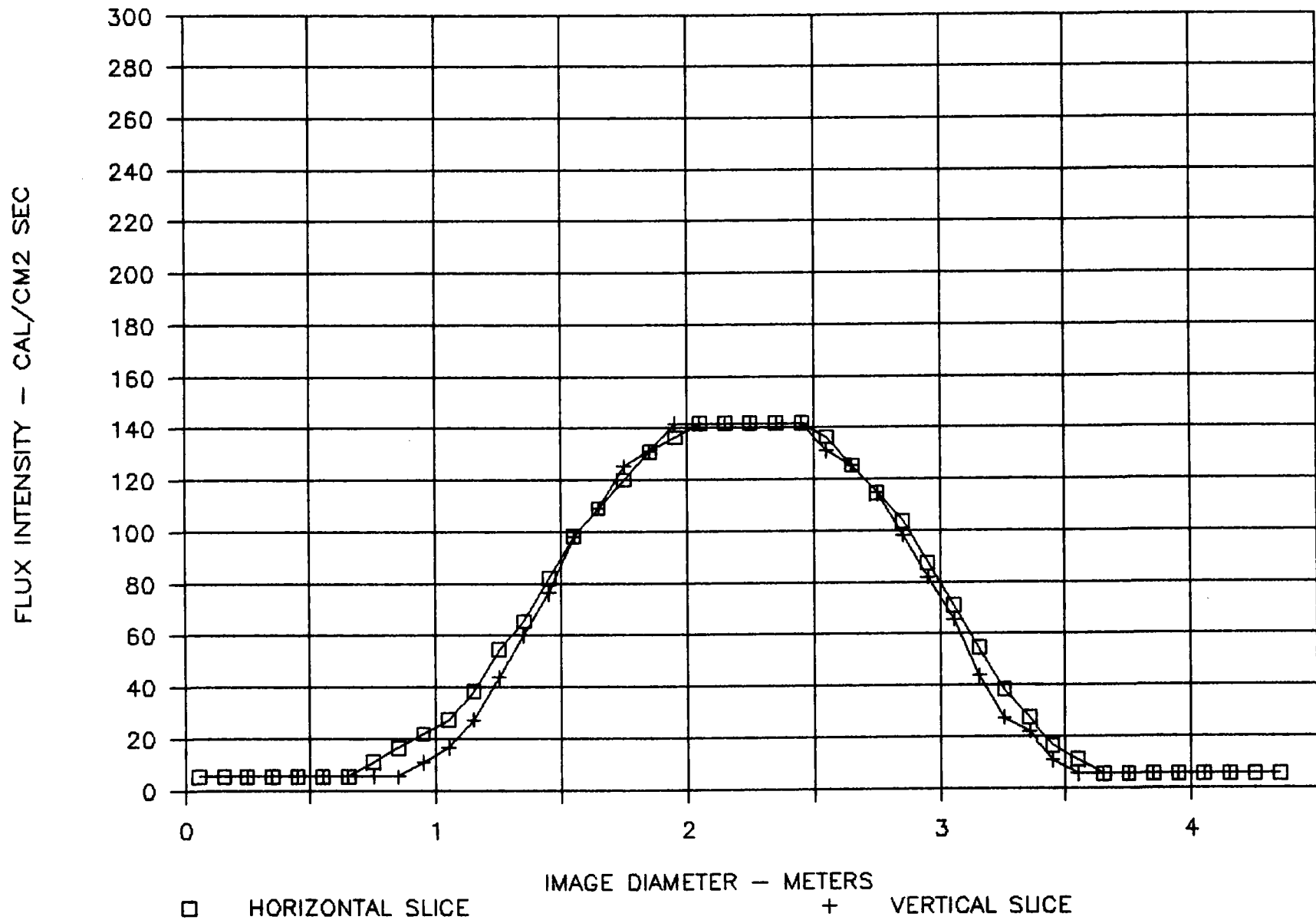
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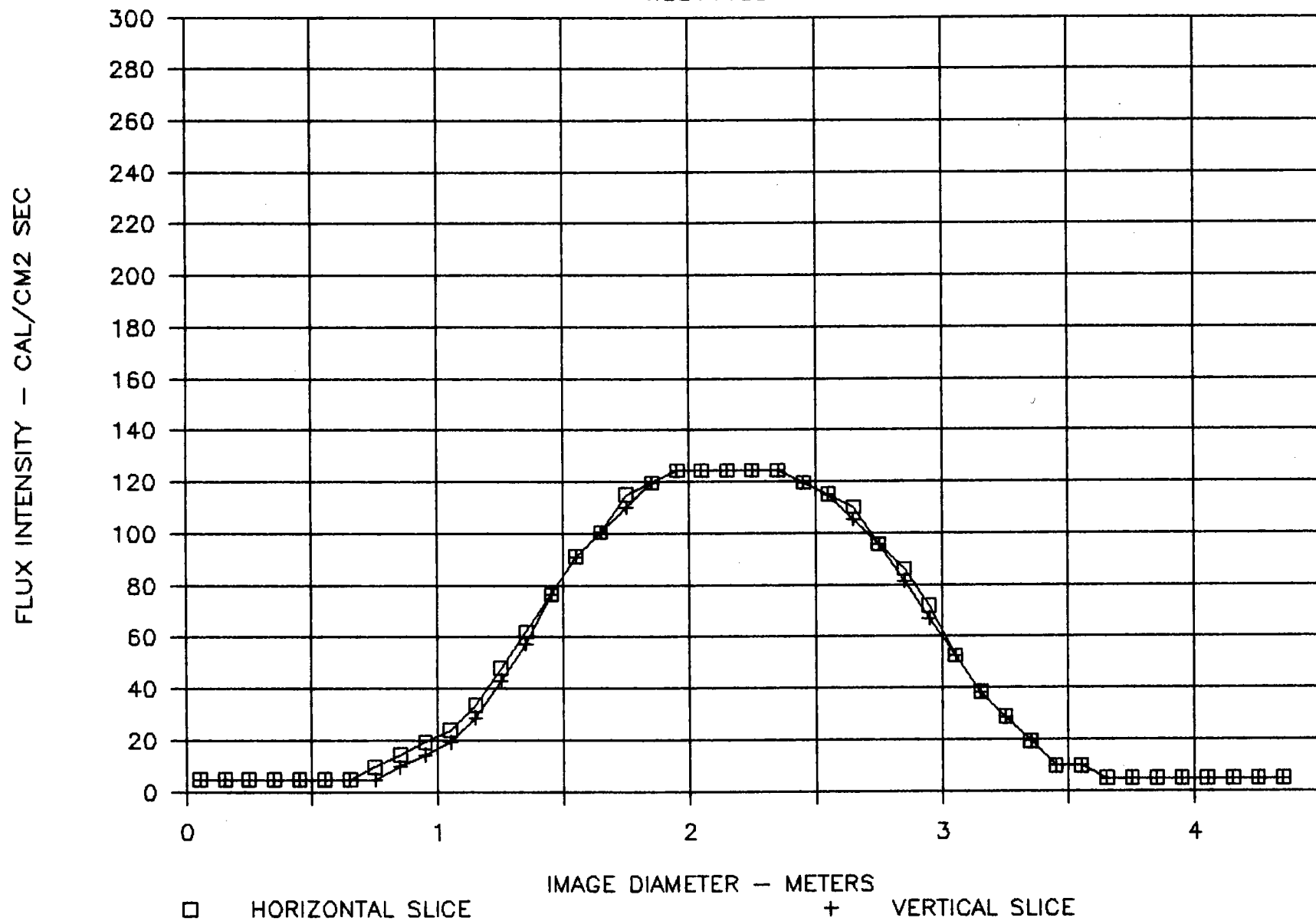
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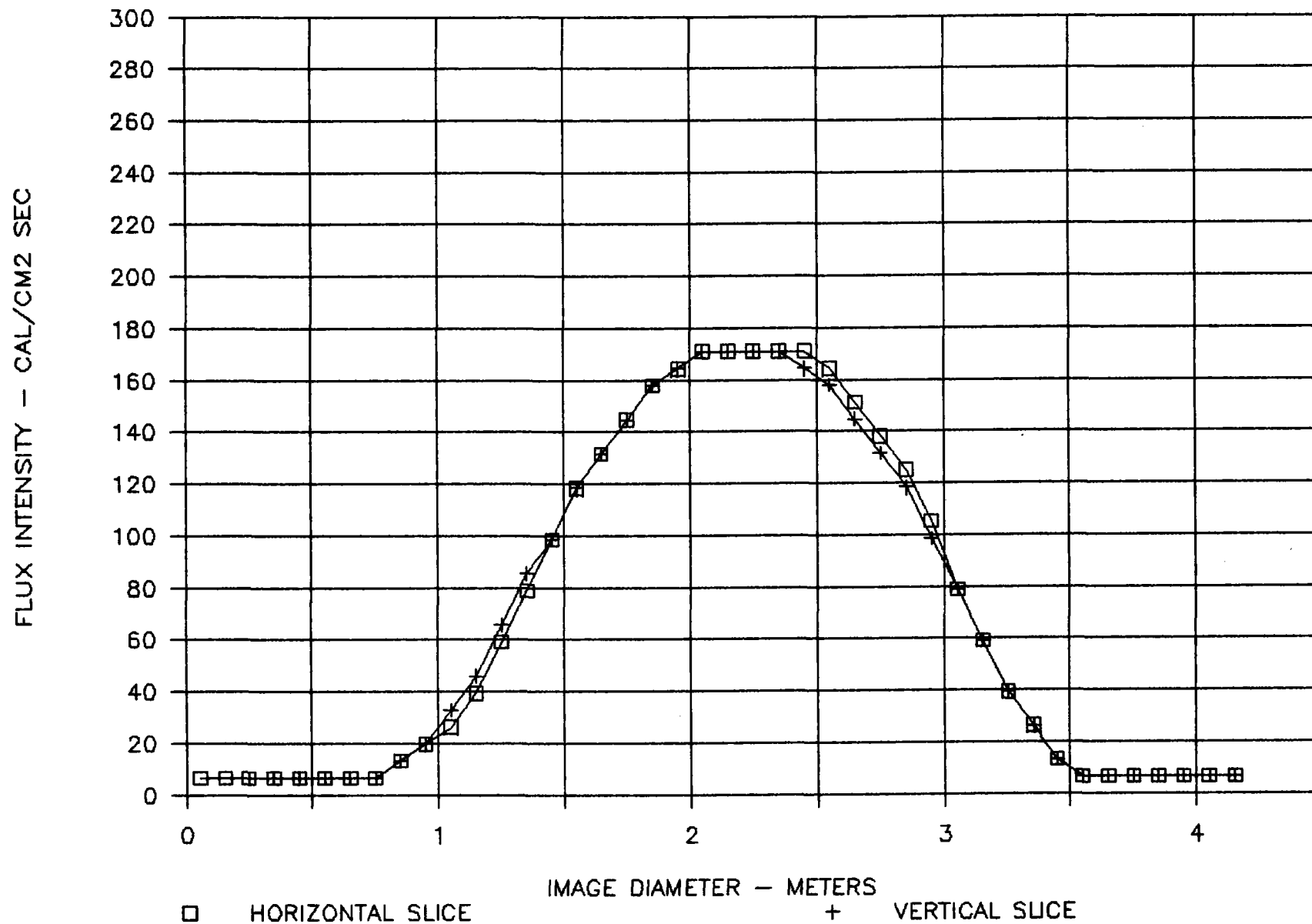
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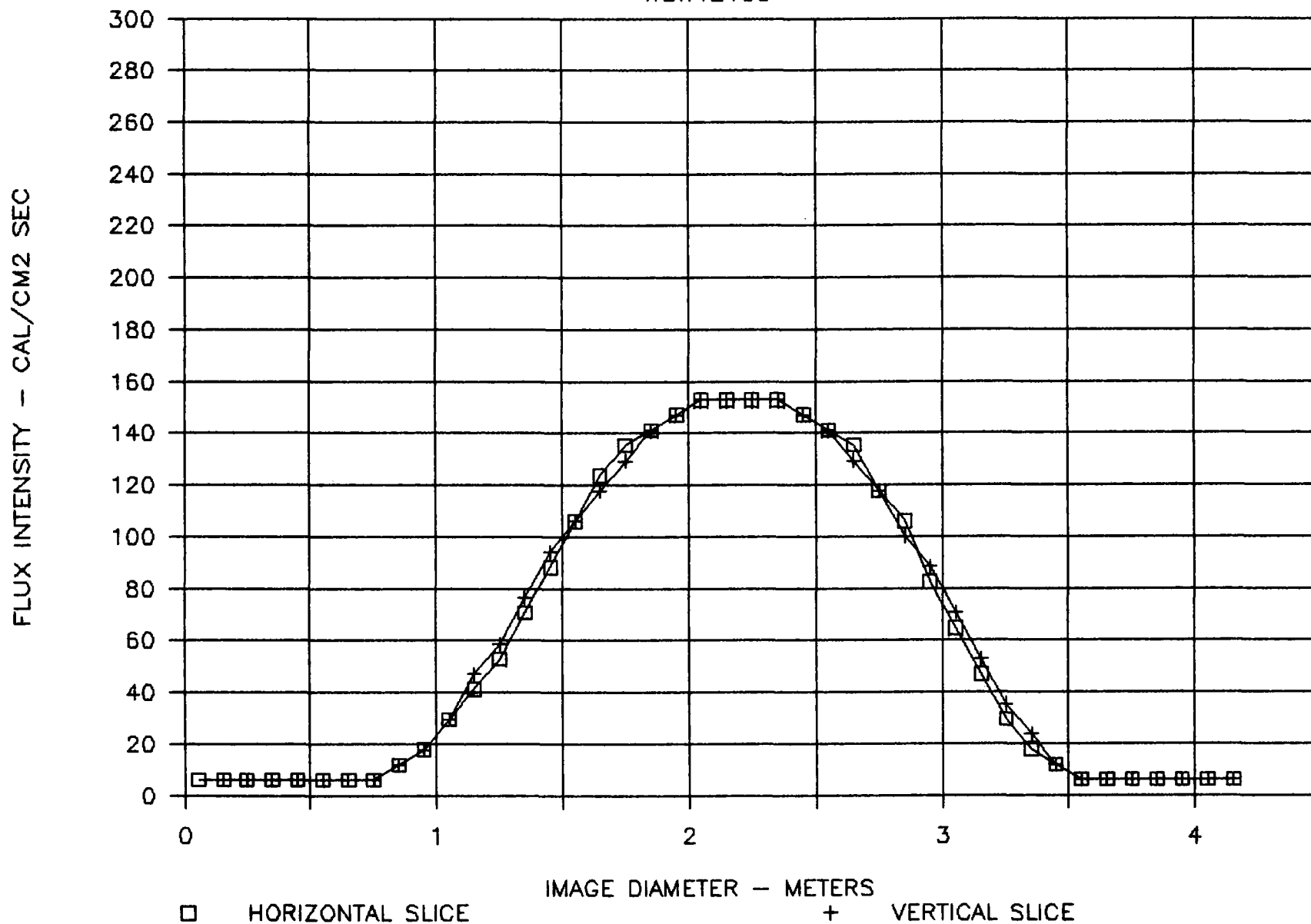
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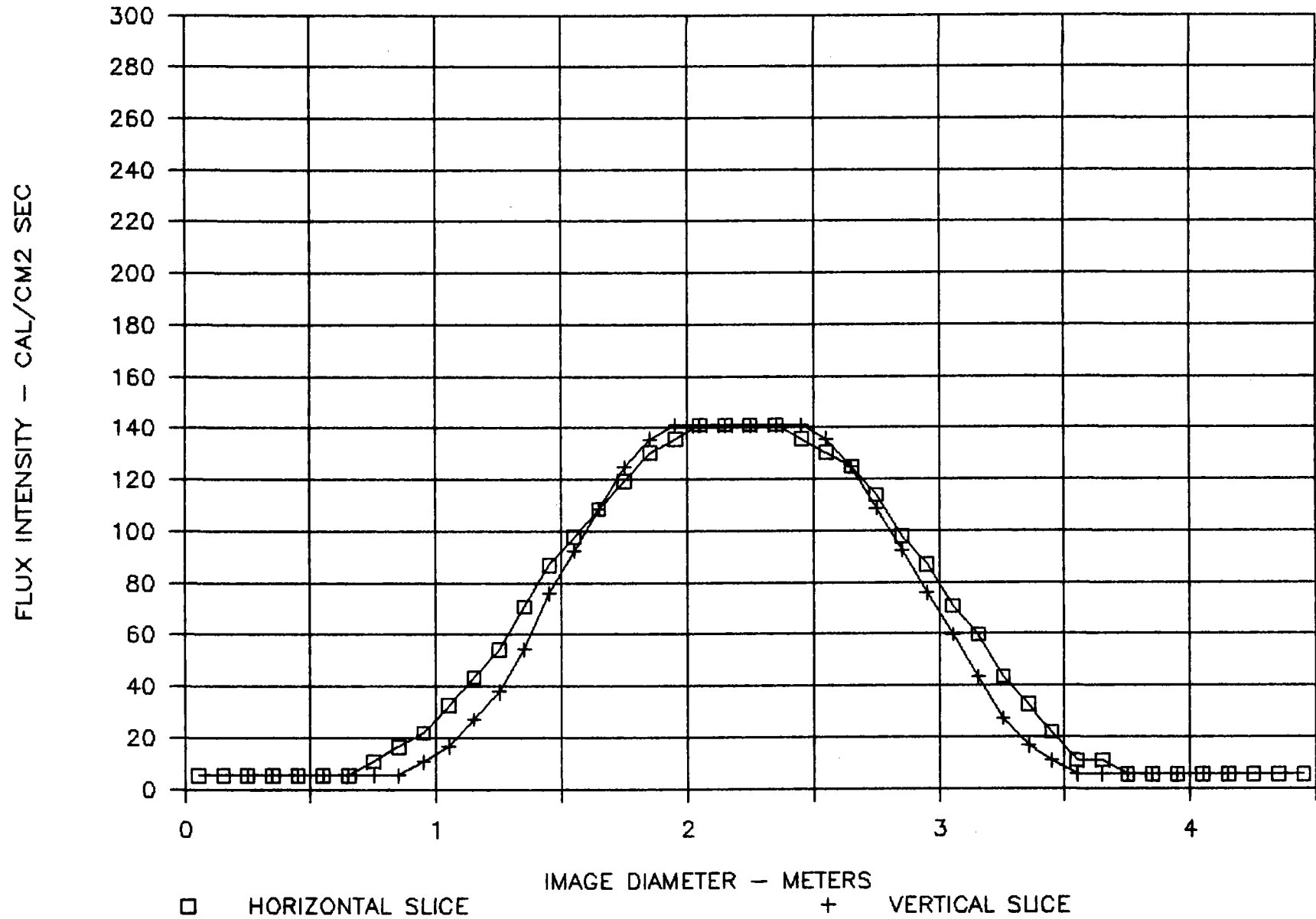
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WSW12100



# RADIANT ENERGY FLUX PROFILE

WSS12120



# RADIANT ENERGY FLUX PROFILE

WSS12100

