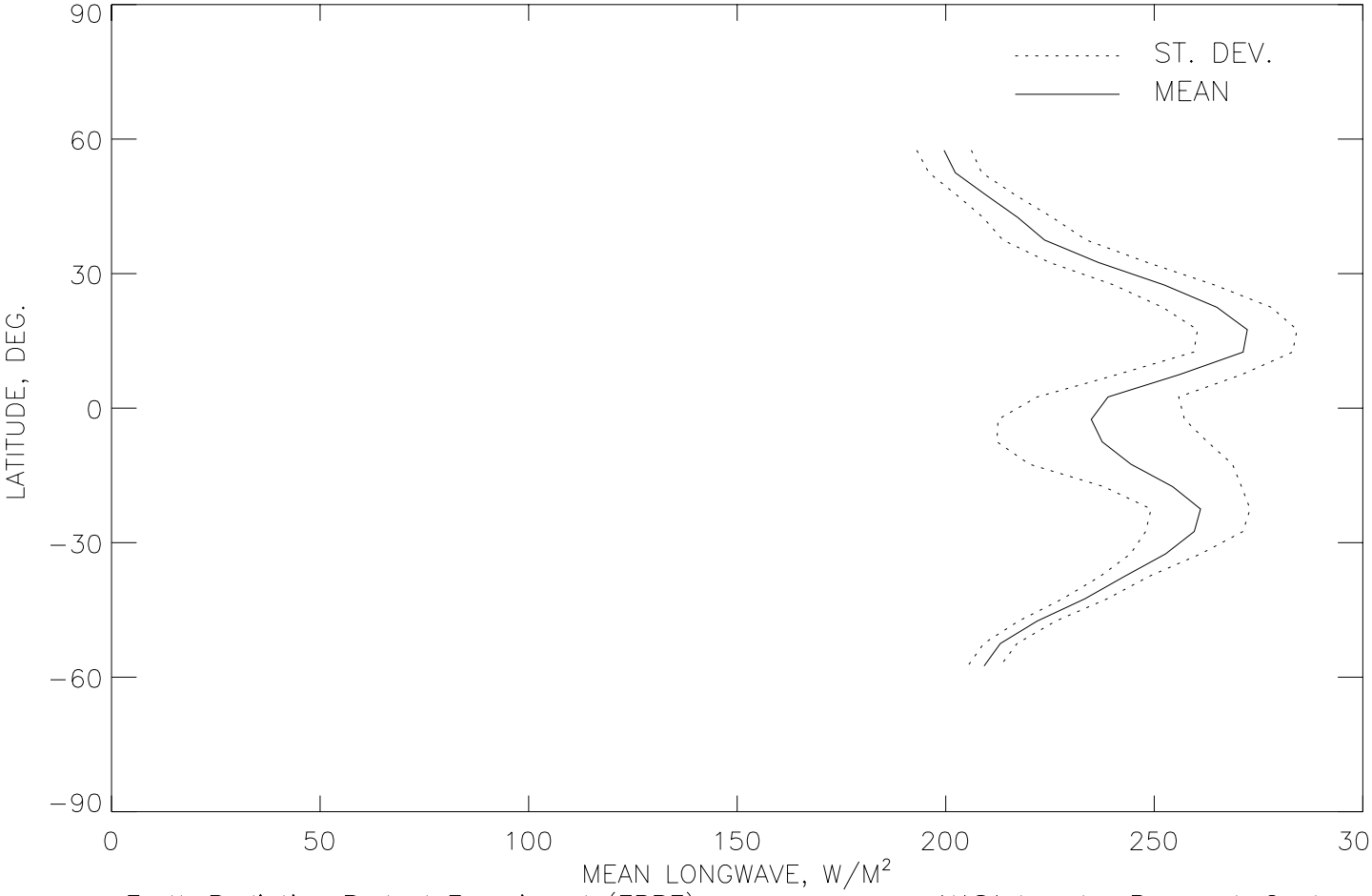
LONGWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, MAR 90, HGMA, PRC–03–07–01



LAT 90S TO 90N WTD MEAN= 241.2 SD= 13.7 MAX= 272.30
LAT 0 TO 90N WTD MEAN= 241.3 SD= 11.9 LAT= 17.50
LAT 0 TO 50N WTD MEAN= 246.5 SD= 12.4
LAT 90S TO 0 WTD MEAN= 241.0 SD= 15.4 MIN= 199.60
LAT 50S TO 0 WTD MEAN= 244.9 SD= 16.3 LAT= 57.50
LAT 50S TO 50N WTD MEAN= 245.7 SD= 14.5

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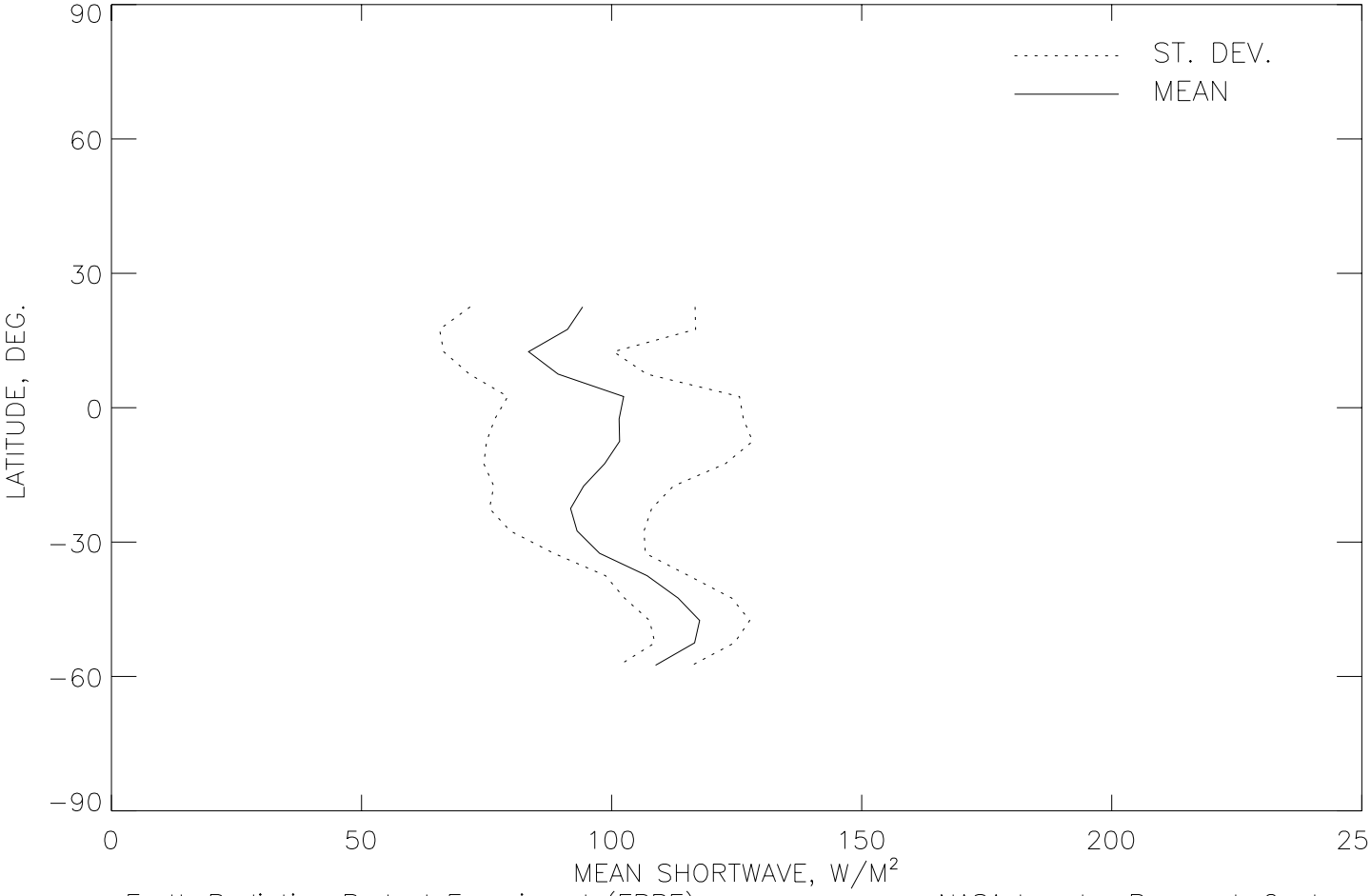
SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAR 90, HGMA, PRC–03–07–01

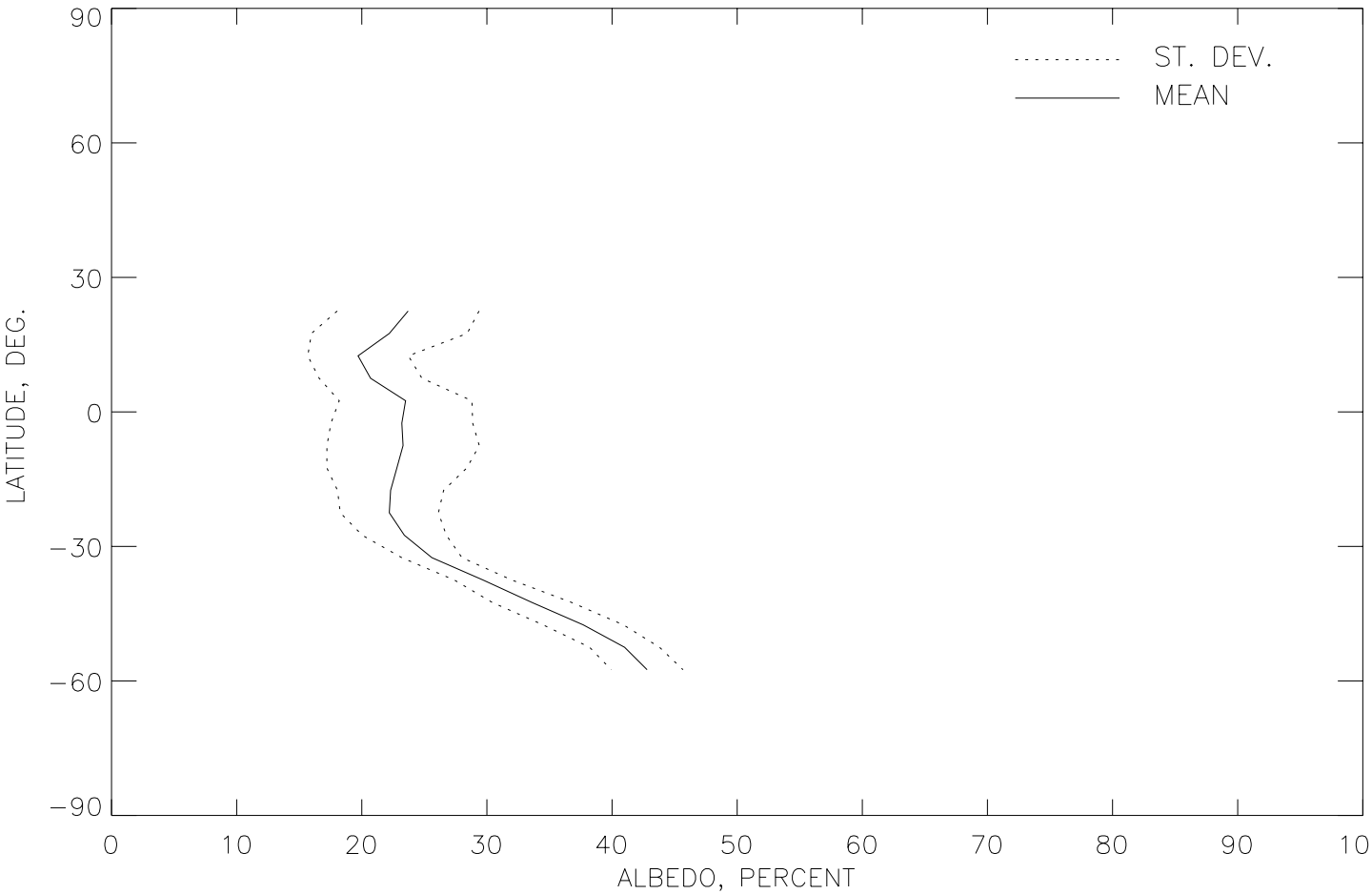


LAT 90S TO 90N	WTD MEAN=	100.5	SD=	18.2	MAX=	126.50		
LAT 0 TO 90N	WTD MEAN=	97.4	SD=	19.7	LAT=	27.50		
LAT 0 TO 50N	WTD MEAN=	97.4	SD=	19.7				
LAT 90S TO 0	WTD MEAN=	102.3	SD=	17.2	MIN=	83.40		
LAT 50S TO 0	WTD MEAN=	100.9	SD=	18.1	LAT=	12.50		
LAT 50S TO 50N	WTD MEAN=	99.5	SD=	18.8				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, MAR 90, HGMA, PRC–03–07–01

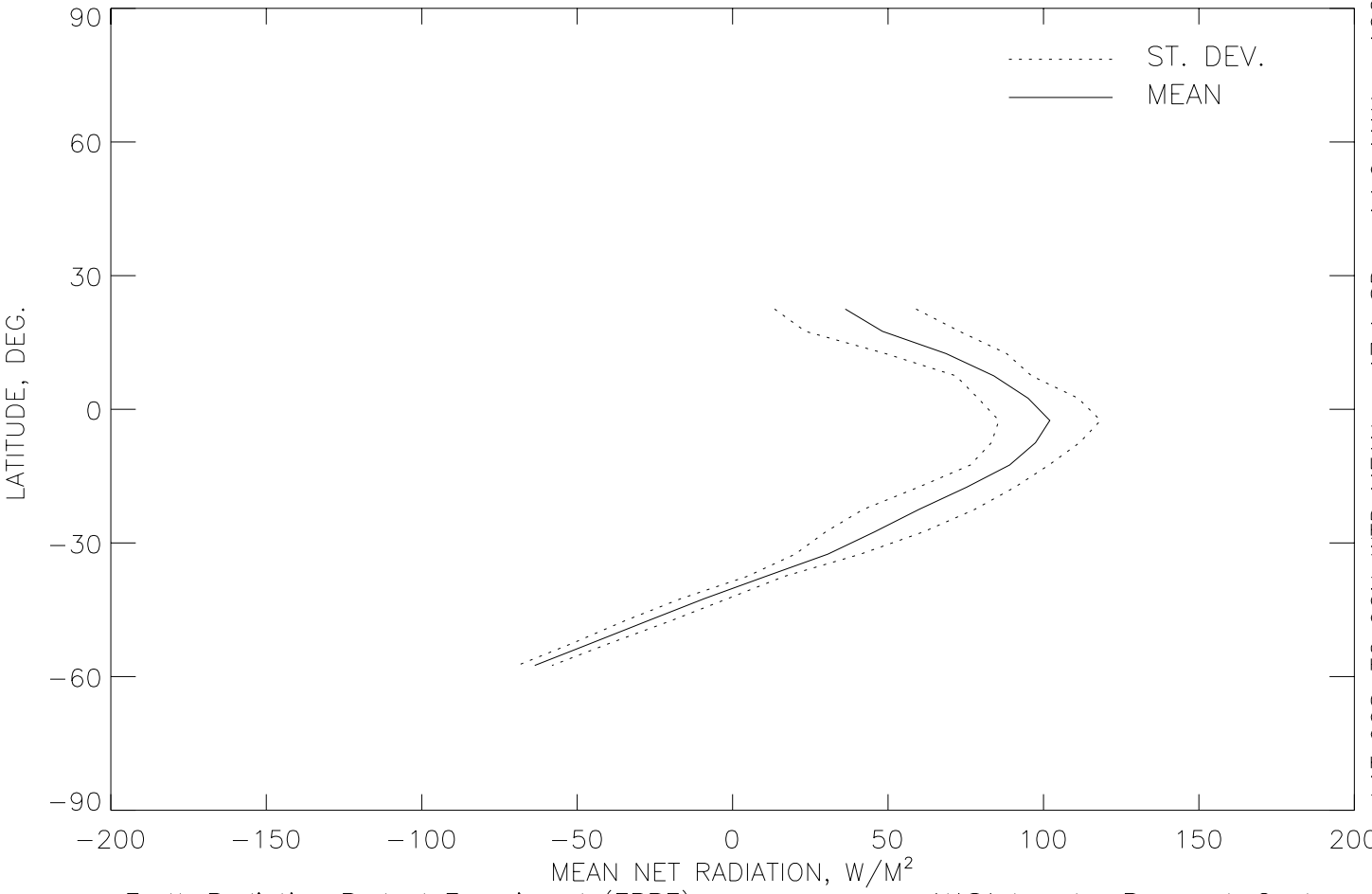


LAT 90S TO 90N WTD MEAN= 25.5 SD= 4.8 MAX= 42.80
LAT 0 TO 90N WTD MEAN= 23.6 SD= 5.5 LAT= −57.50
LAT 0 TO 50N WTD MEAN= 23.6 SD= 5.5
LAT 90S TO 0 WTD MEAN= 26.7 SD= 4.3 MIN= 19.70
LAT 50S TO 0 WTD MEAN= 25.3 SD= 4.4 LAT= 12.50
LAT 50S TO 50N WTD MEAN= 24.6 SD= 4.9

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAR 90, HGMA, PRC–03–07–01

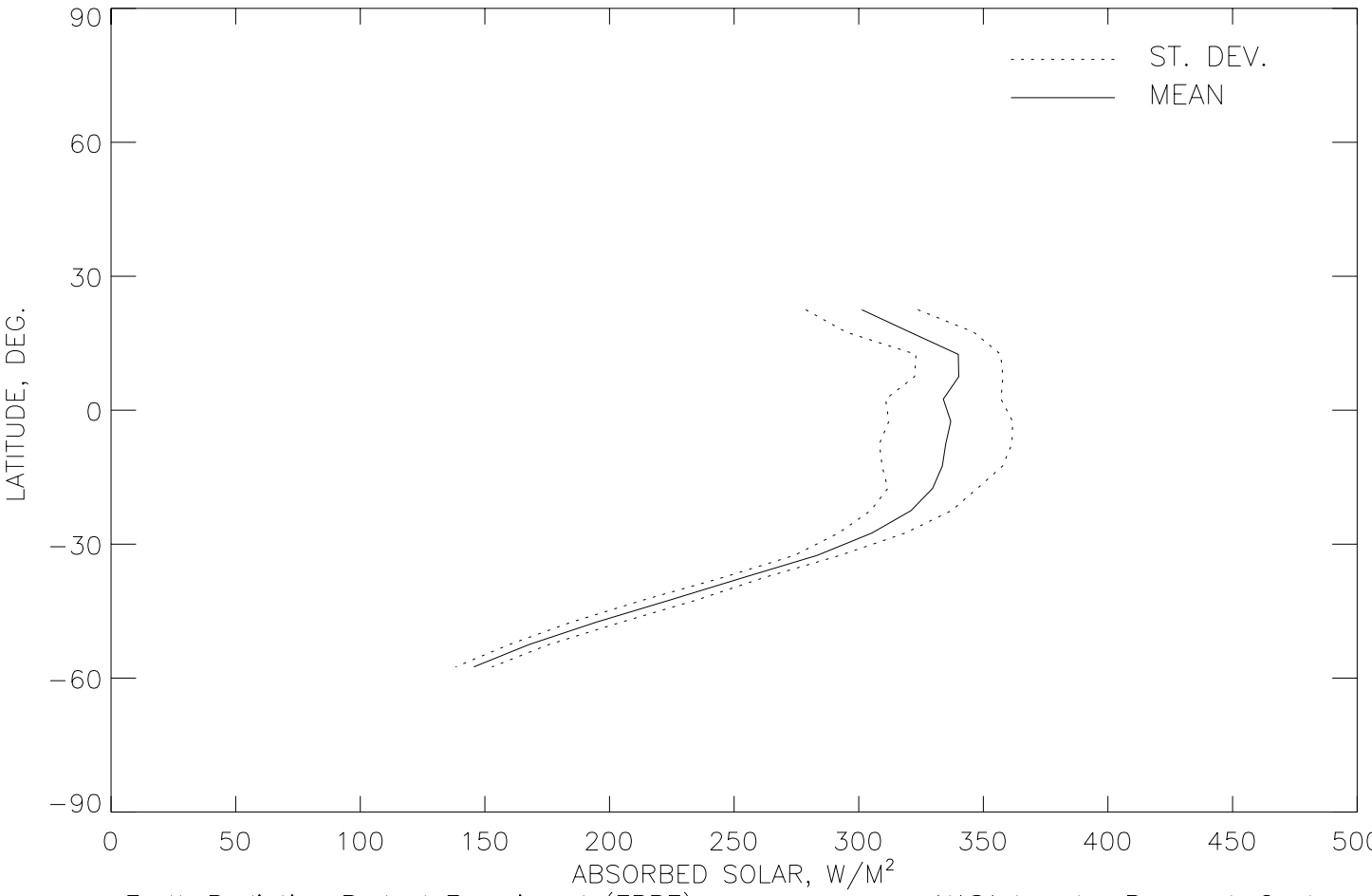


LAT 90S TO 90N WTD MEAN= 47.1 SD= 14.9 MAX= 102.03
LAT 0 TO 90N WTD MEAN= 58.7 SD= 18.0 LAT= −2.50
LAT 0 TO 50N WTD MEAN= 58.7 SD= 18.0
LAT 90S TO 0 WTD MEAN= 40.3 SD= 12.7 MIN= −63.65
LAT 50S TO 0 WTD MEAN= 52.6 SD= 13.4 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 55.0 SD= 15.3

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAR 90, HGMA, PRC–03–07–01

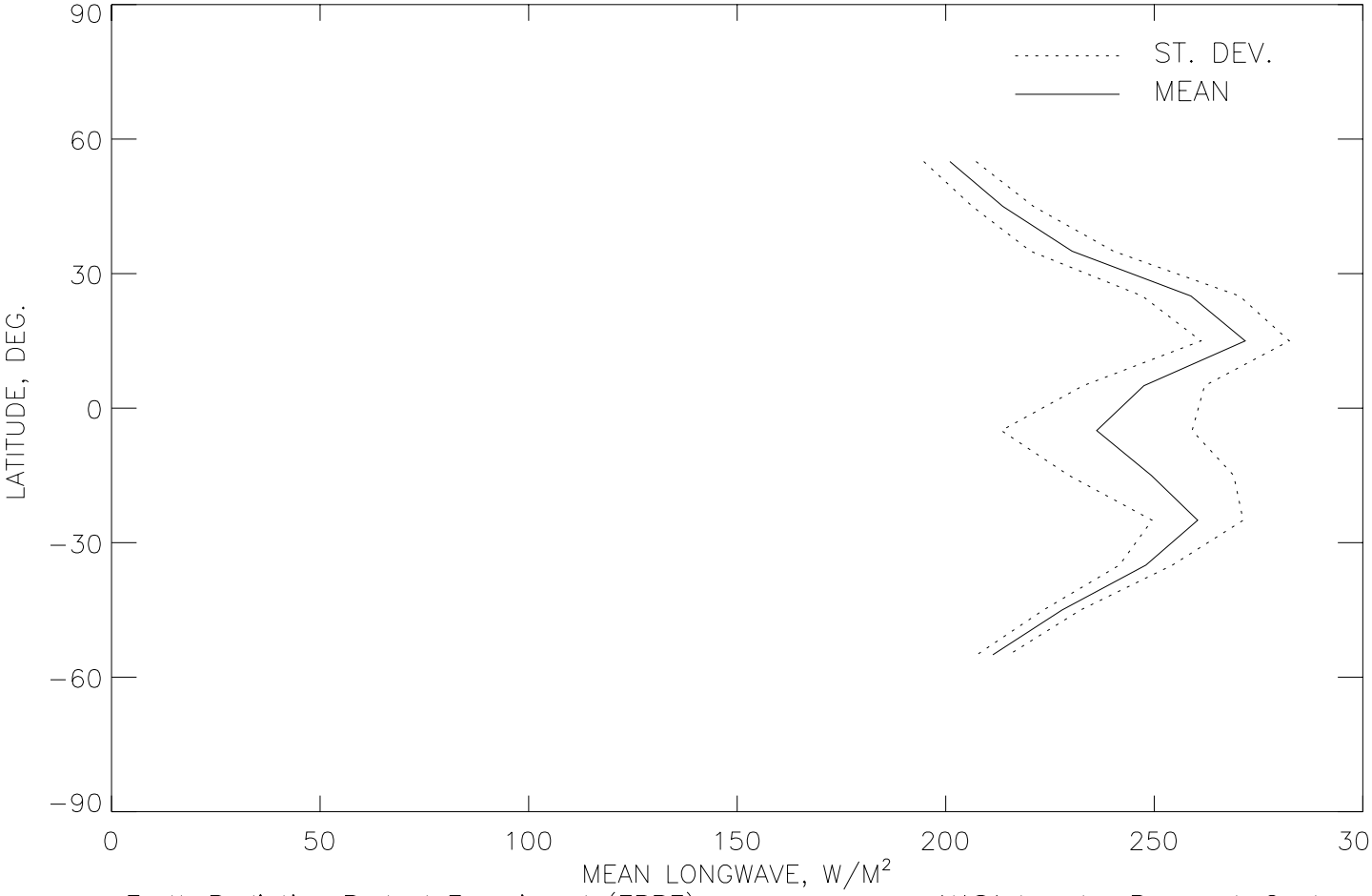


LAT 90S TO 90N	WTD MEAN= 294.8	SD= 18.2	MAX= 340.12					
LAT 0 TO 90N	WTD MEAN= 317.9	SD= 19.8	LAT= 7.50					
LAT 0 TO 50N	WTD MEAN= 317.9	SD= 19.8						
LAT 90S TO 0	WTD MEAN= 281.4	SD= 17.2	MIN= 145.55					
LAT 50S TO 0	WTD MEAN= 297.6	SD= 18.1	LAT= −57.50					
LAT 50S TO 50N	WTD MEAN= 305.6	SD= 18.8						

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, MAR 90, HGMA, PRC–03–07–01

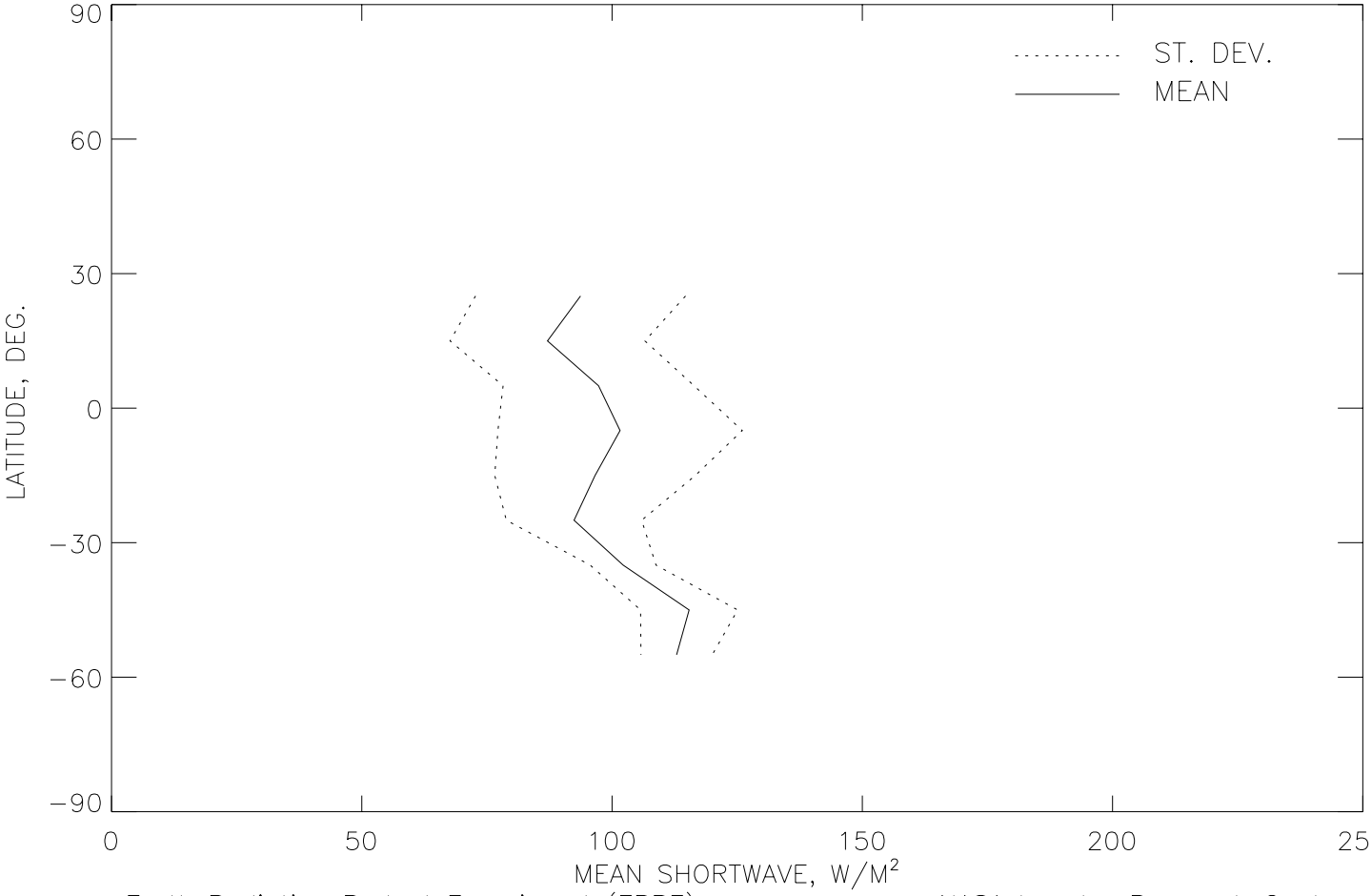


LAT 90S TO 90N WTD MEAN= 241.2 SD= 12.9 MAX= 271.80
LAT 0 TO 90N WTD MEAN= 241.3 SD= 10.8 LAT= 15.00
LAT 0 TO 50N WTD MEAN= 246.5 SD= 11.3
LAT 90S TO 0 WTD MEAN= 241.1 SD= 14.6 MIN= 201.00
LAT 50S TO 0 WTD MEAN= 244.9 SD= 15.5 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 245.7 SD= 13.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

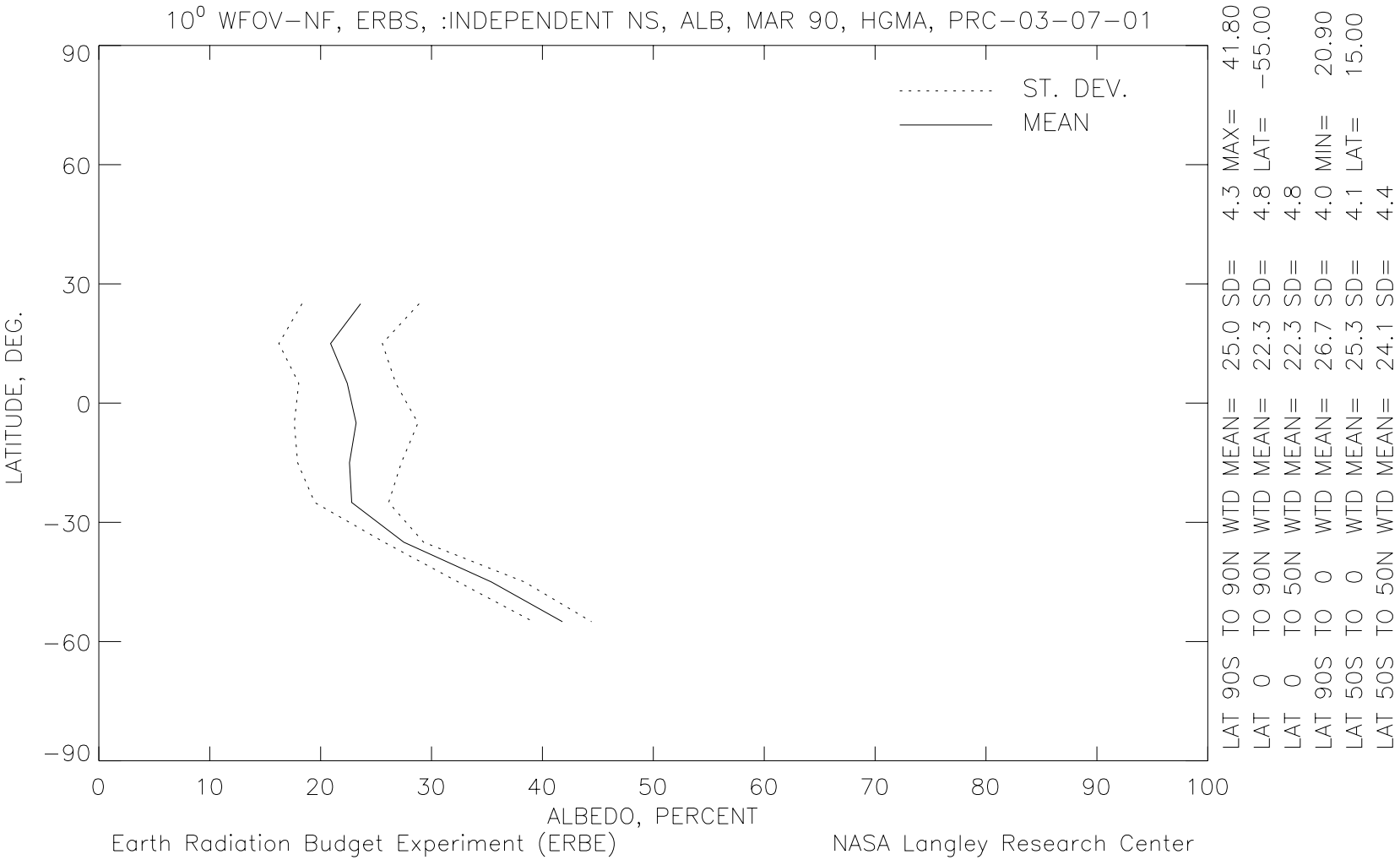
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAR 90, HGMA, PRC–03–07–01



LAT 90S TO 90N	WTD MEAN=	94.6	SD=	17.1	MAX=	115.40
LAT 0 TO 90N	WTD MEAN=	92.7	SD=	19.8	LAT=	−45.00
LAT 0 TO 50N	WTD MEAN=	92.7	SD=	19.8		
LAT 90S TO 0	WTD MEAN=	102.3	SD=	16.0	MIN=	87.10
LAT 50S TO 0	WTD MEAN=	100.9	SD=	16.9	LAT=	15.00
LAT 50S TO 50N	WTD MEAN=	97.7	SD=	18.1		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

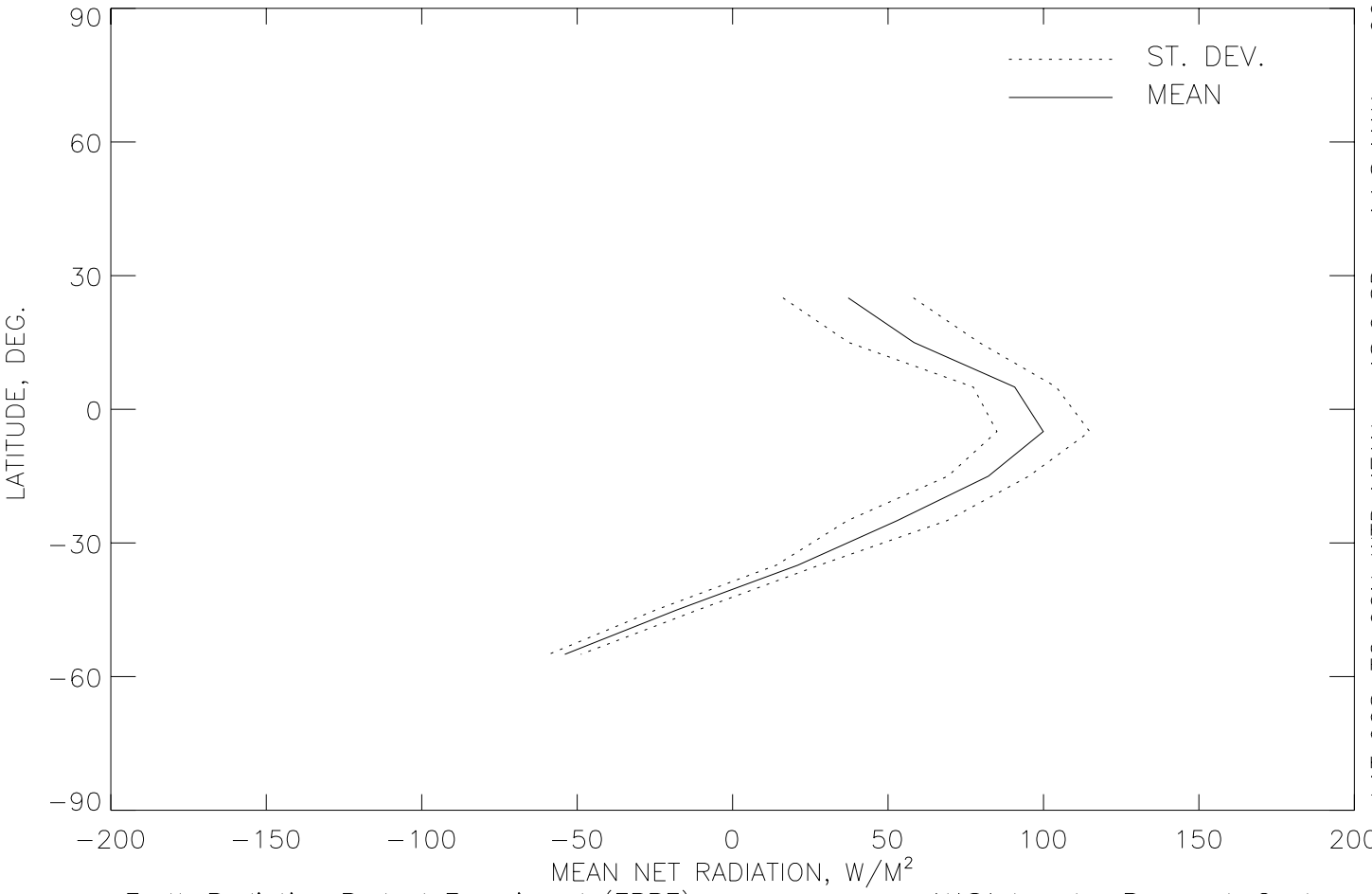
ALBEDO



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAR 90, HGMA, PRC–03–07–01

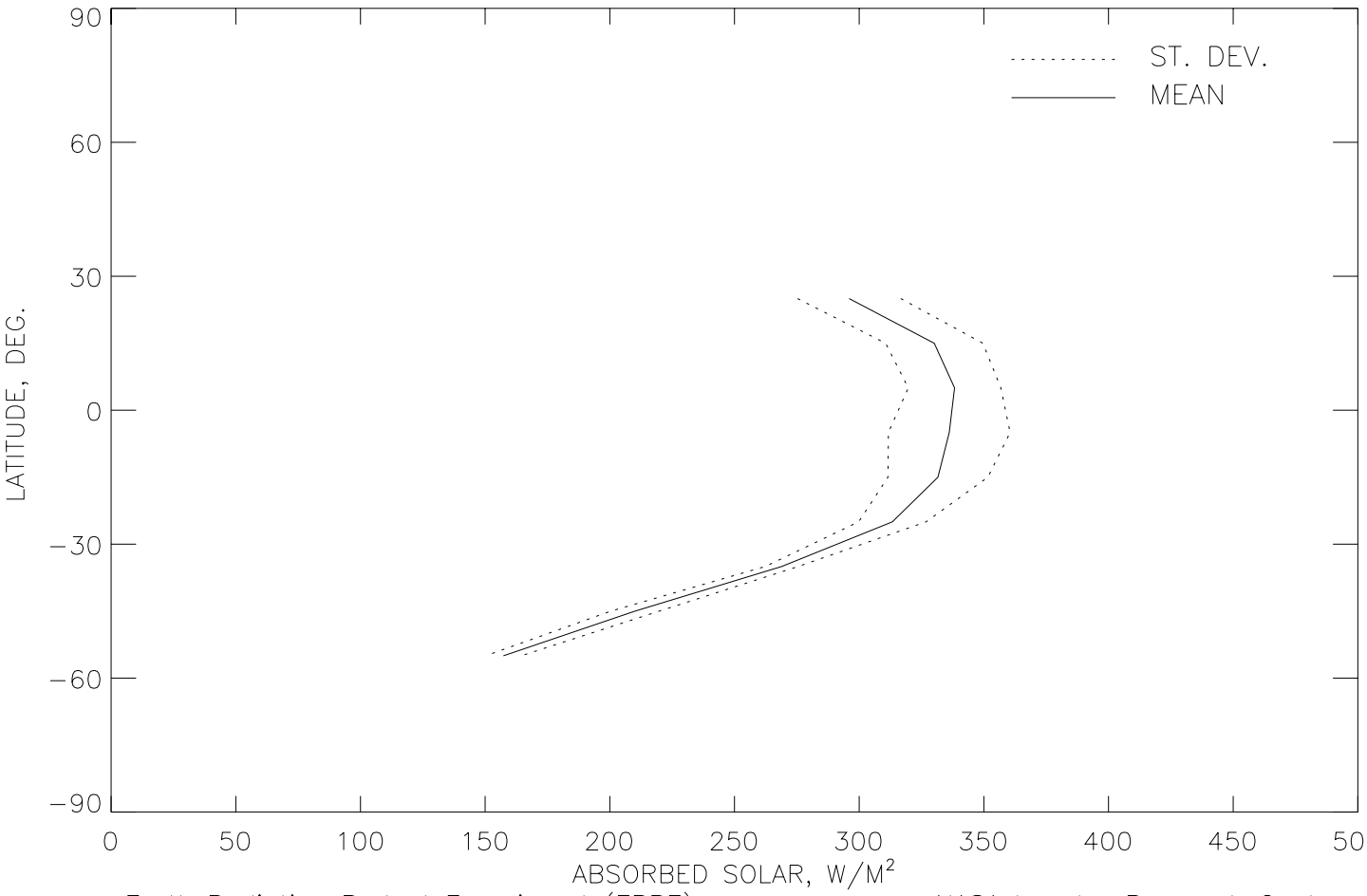


LAT 90S TO 90N WTD MEAN= 48.6 SD= 14.8 MAX= 99.94
LAT 0 TO 90N WTD MEAN= 62.9 SD= 18.7 LAT= −5.00
LAT 0 TO 50N WTD MEAN= 62.9 SD= 18.7
LAT 90S TO 0 WTD MEAN= 40.4 SD= 11.9 MIN= −53.98
LAT 50S TO 0 WTD MEAN= 52.7 SD= 12.5 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 56.7 SD= 15.3

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

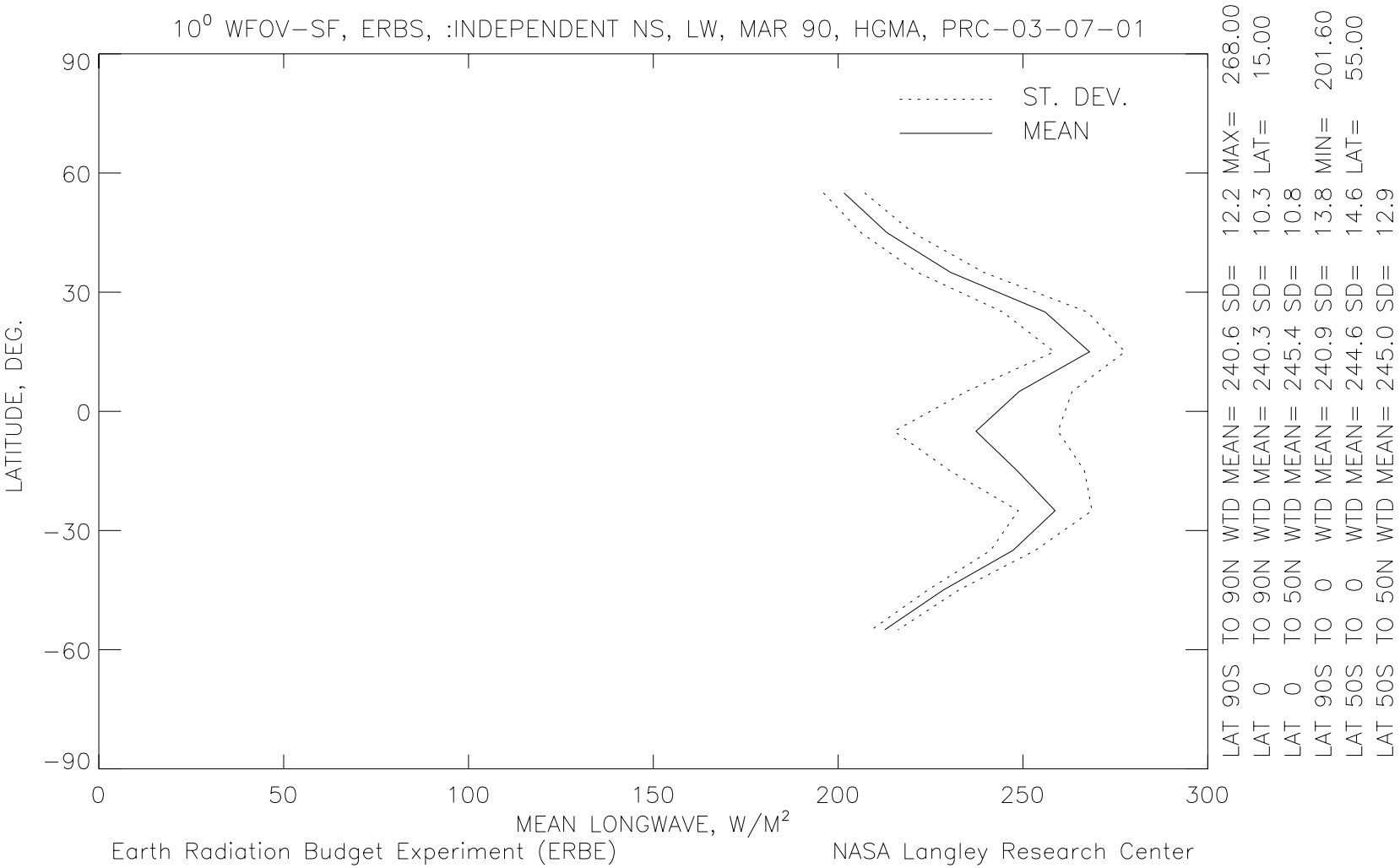
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAR 90, HGMA, PRC–03–07–01



LAT 90S TO 90N WTD MEAN= 296.3 SD= 17.4 MAX= 338.25
LAT 0 TO 90N WTD MEAN= 322.2 SD= 19.6 LAT= 5.00
LAT 0 TO 50N WTD MEAN= 322.2 SD= 19.6
LAT 90S TO 0 WTD MEAN= 281.4 SD= 16.0 MIN= 157.32
LAT 50S TO 0 WTD MEAN= 297.6 SD= 16.9 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 307.3 SD= 18.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

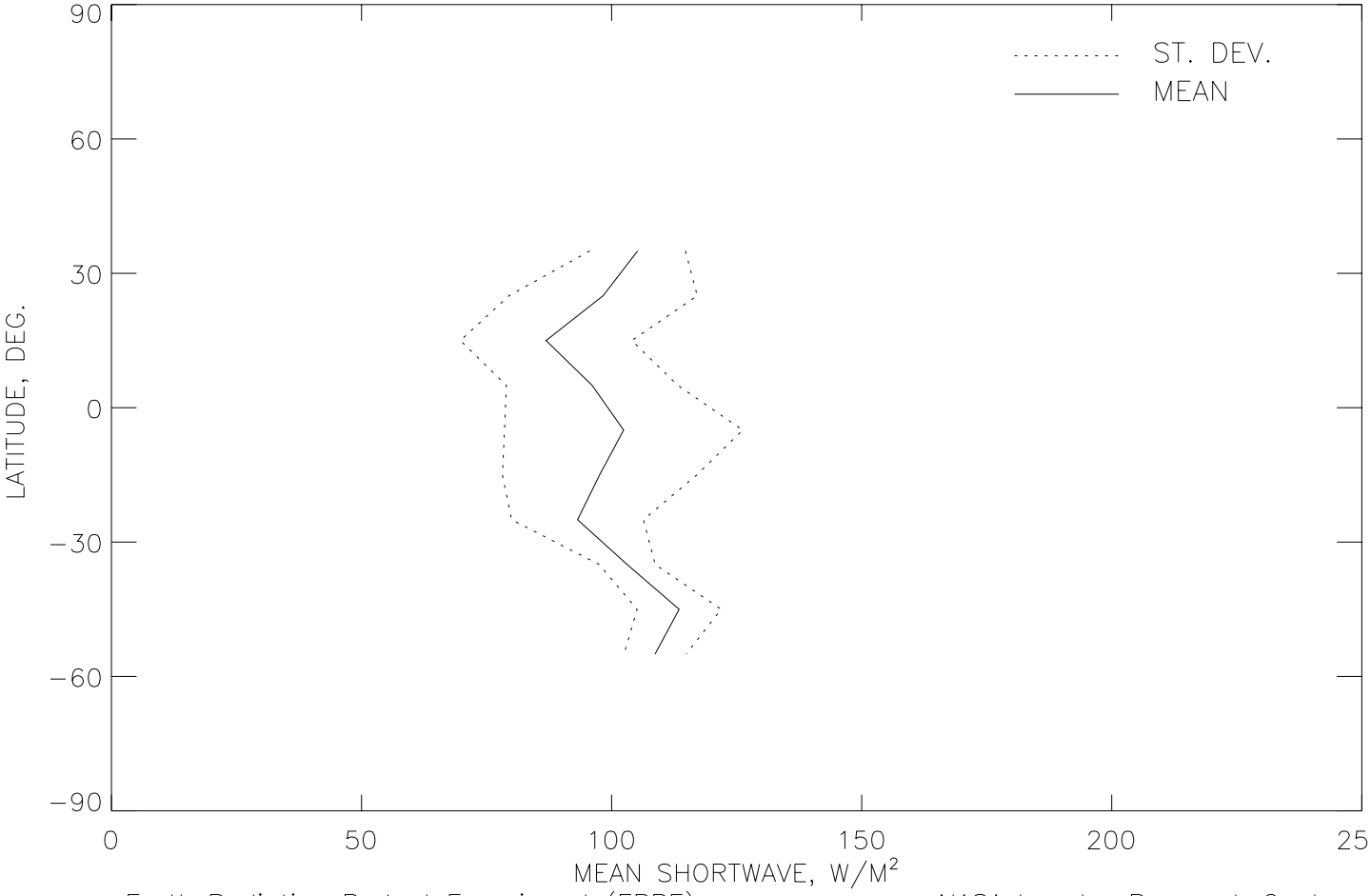
LONGWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, MAR 90, HGMA, PRC–03–07–01

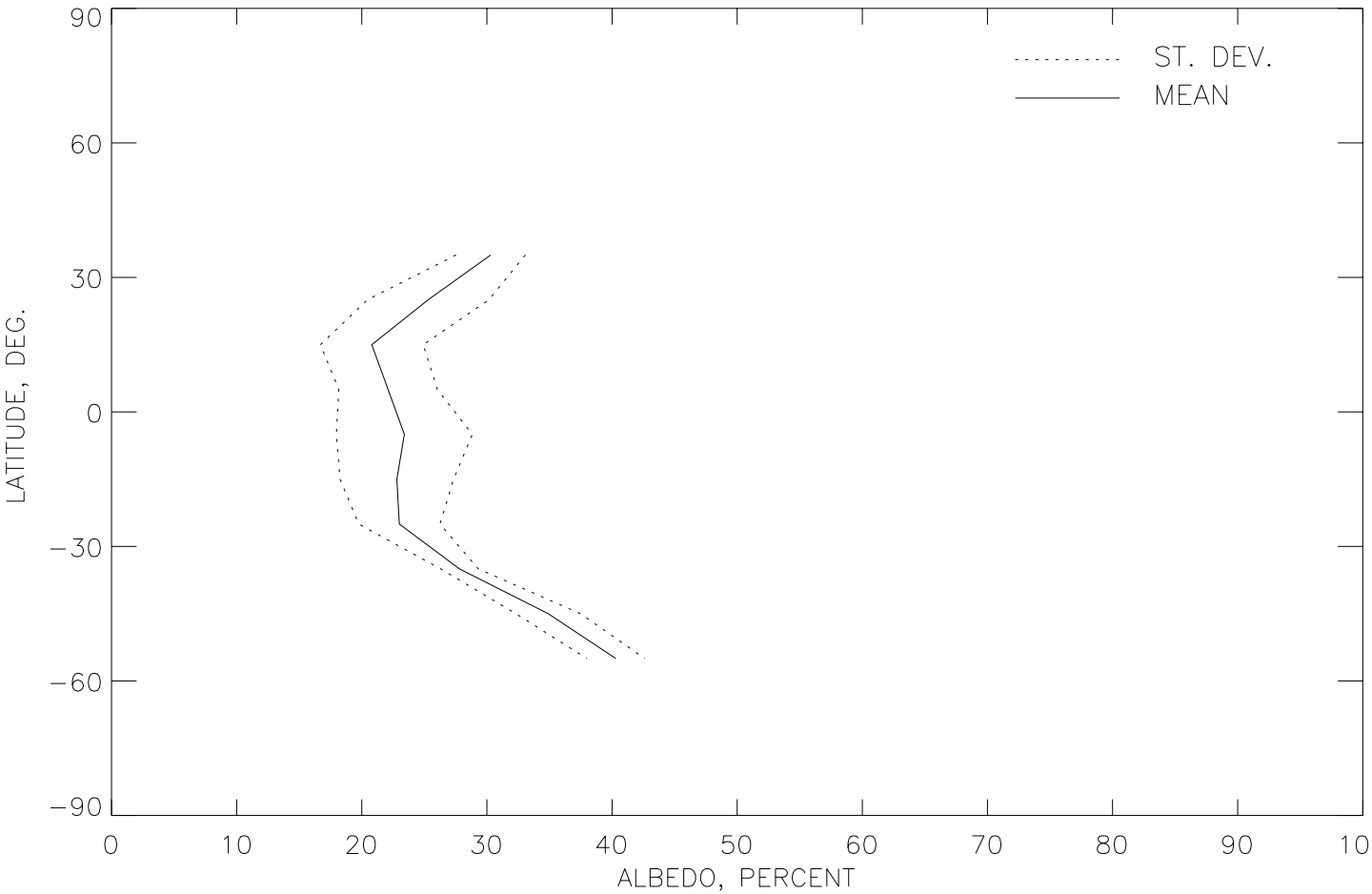


LAT 90S	TO 90N	WTD	MEAN=	95.8	SD=	15.5	MAX=	113.50
LAT 0	TO 90N	WTD	MEAN=	96.3	SD=	16.2	LAT=	−45.00
LAT 0	TO 50N	WTD	MEAN=	96.3	SD=	16.2		
LAT 90S	TO 0	WTD	MEAN=	102.2	SD=	15.4	MIN=	86.90
LAT 50S	TO 0	WTD	MEAN=	101.4	SD=	16.3	LAT=	15.00
LAT 50S	TO 50N	WTD	MEAN=	99.0	SD=	16.3		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, MAR 90, HGMA, PRC–03–07–01

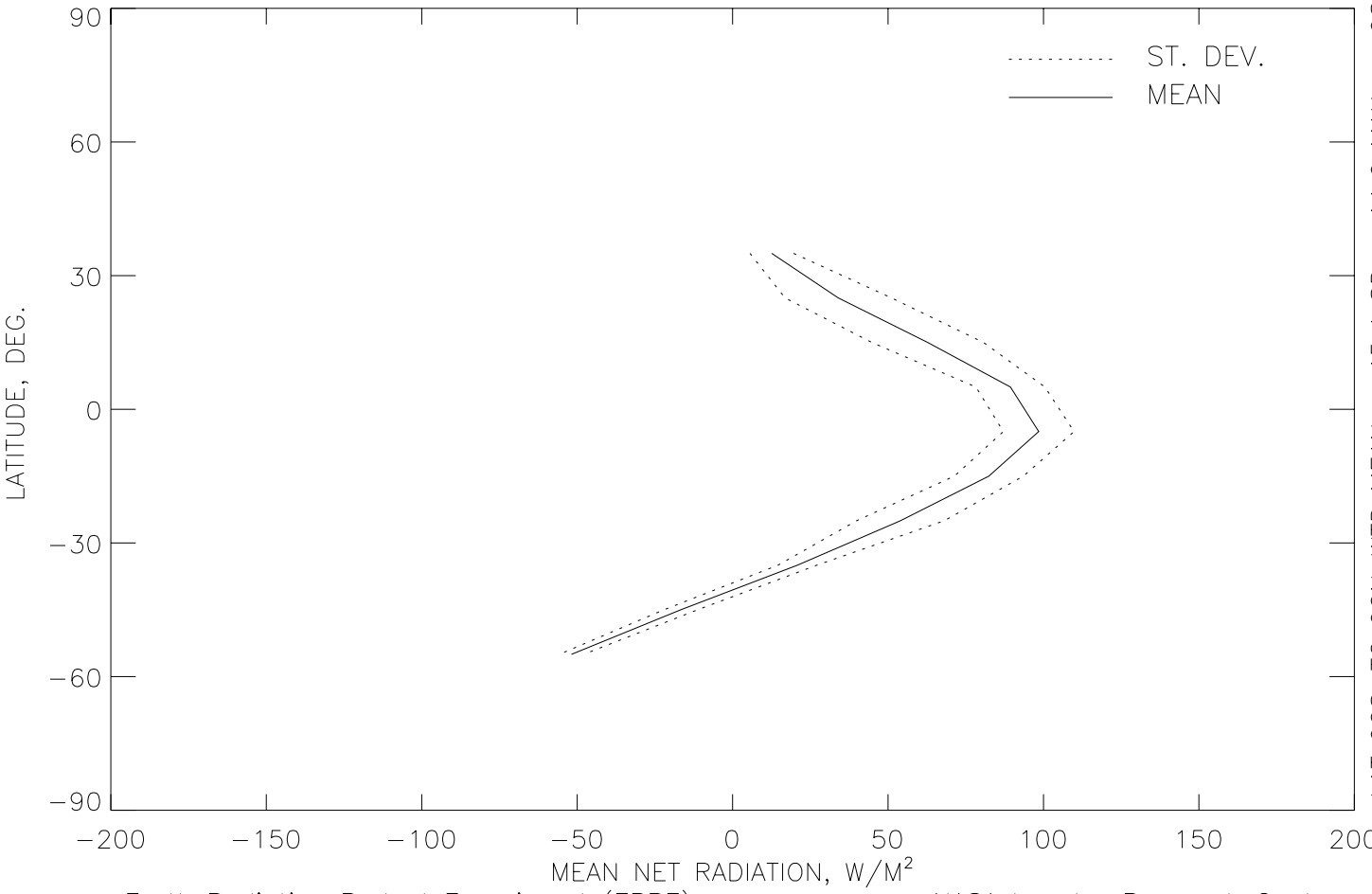


LAT 90S TO 90N WTD MEAN= 25.5 SD= 3.9 MAX= 40.30
LAT 0 TO 90N WTD MEAN= 24.1 SD= 4.0 LAT= −55.00
LAT 0 TO 50N WTD MEAN= 24.1 SD= 4.0
LAT 90S TO 0 WTD MEAN= 26.7 SD= 3.9 MIN= 20.80
LAT 50S TO 0 WTD MEAN= 25.4 SD= 4.0 LAT= 15.00
LAT 50S TO 50N WTD MEAN= 24.8 SD= 4.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, NET, MAR 90, HGMA, PRC–03–07–01

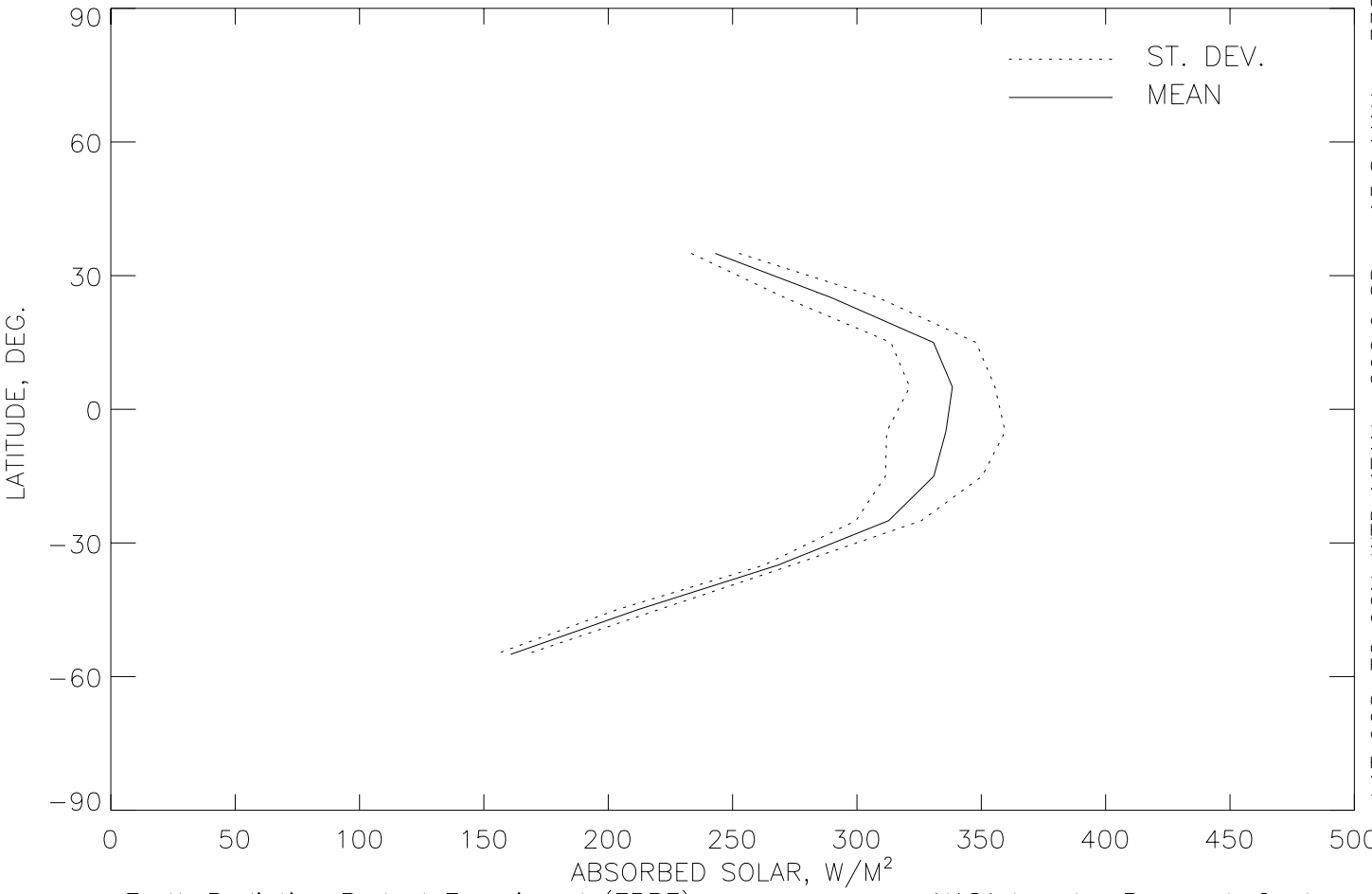


LAT 90S TO 90N WTD MEAN= 45.4 SD= 11.9 MAX= 98.47
LAT 0 TO 90N WTD MEAN= 51.7 SD= 14.2 LAT= −5.00
LAT 0 TO 50N WTD MEAN= 51.7 SD= 14.2
LAT 90S TO 0 WTD MEAN= 40.7 SD= 9.9 MIN= −51.83
LAT 50S TO 0 WTD MEAN= 52.8 SD= 10.5 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 52.3 SD= 12.3

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, MAR 90, HGMA, PRC–03–07–01



LAT 90S TO 90N WTD MEAN= 290.9 SD= 15.8 MAX= 338.37
LAT 0 TO 90N WTD MEAN= 303.3 SD= 16.2 LAT= 5.00
LAT 0 TO 50N WTD MEAN= 303.3 SD= 16.2
LAT 90S TO 0 WTD MEAN= 281.6 SD= 15.4 MIN= 160.77
LAT 50S TO 0 WTD MEAN= 297.4 SD= 16.3 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 300.1 SD= 16.3

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