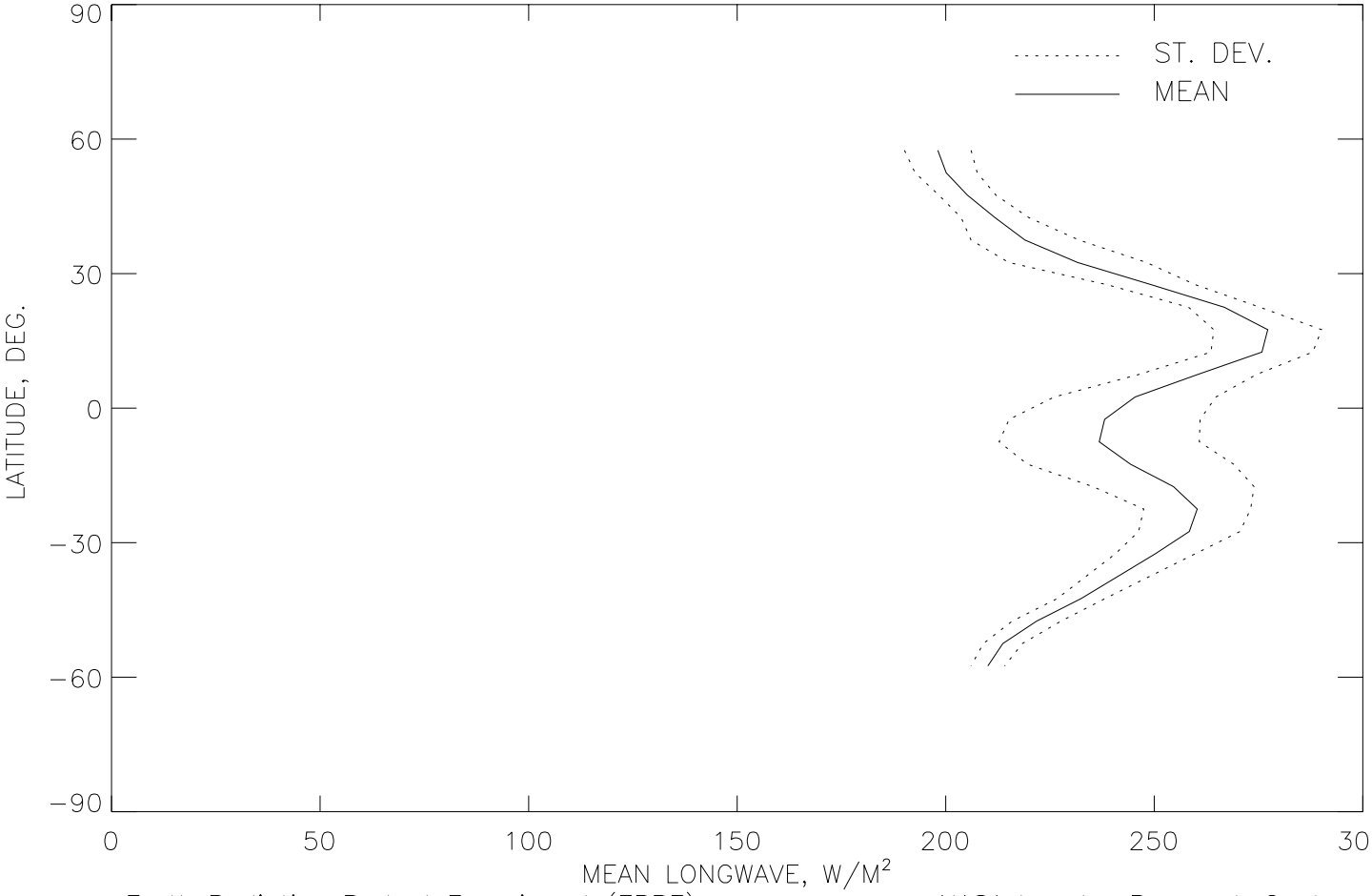
LONGWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, MAR 88, HGMA, PRC–03–03–01



LAT 90S TO 90N	WTD MEAN= 241.1	SD= 14.3	MAX= 277.20
LAT 0 TO 90N	WTD MEAN= 241.4	SD= 12.5	LAT= 17.50
LAT 0 TO 50N	WTD MEAN= 247.0	SD= 13.0	
LAT 90S TO 0	WTD MEAN= 240.8	SD= 15.9	MIN= 198.10
LAT 50S TO 0	WTD MEAN= 244.5	SD= 16.9	LAT= 57.50
LAT 50S TO 50N	WTD MEAN= 245.7	SD= 15.1	

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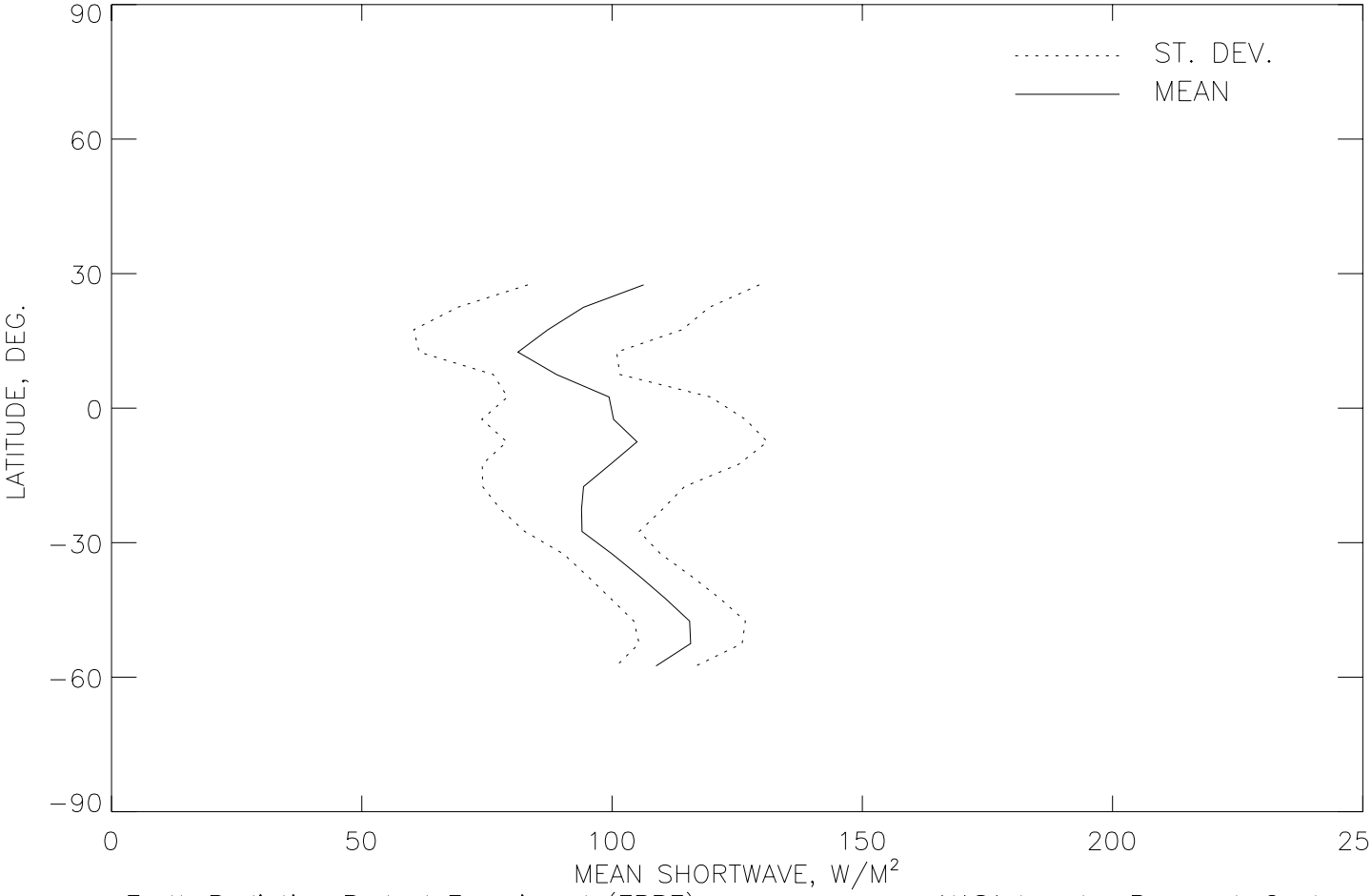
SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAR 88, HGMA, PRC–03–03–01

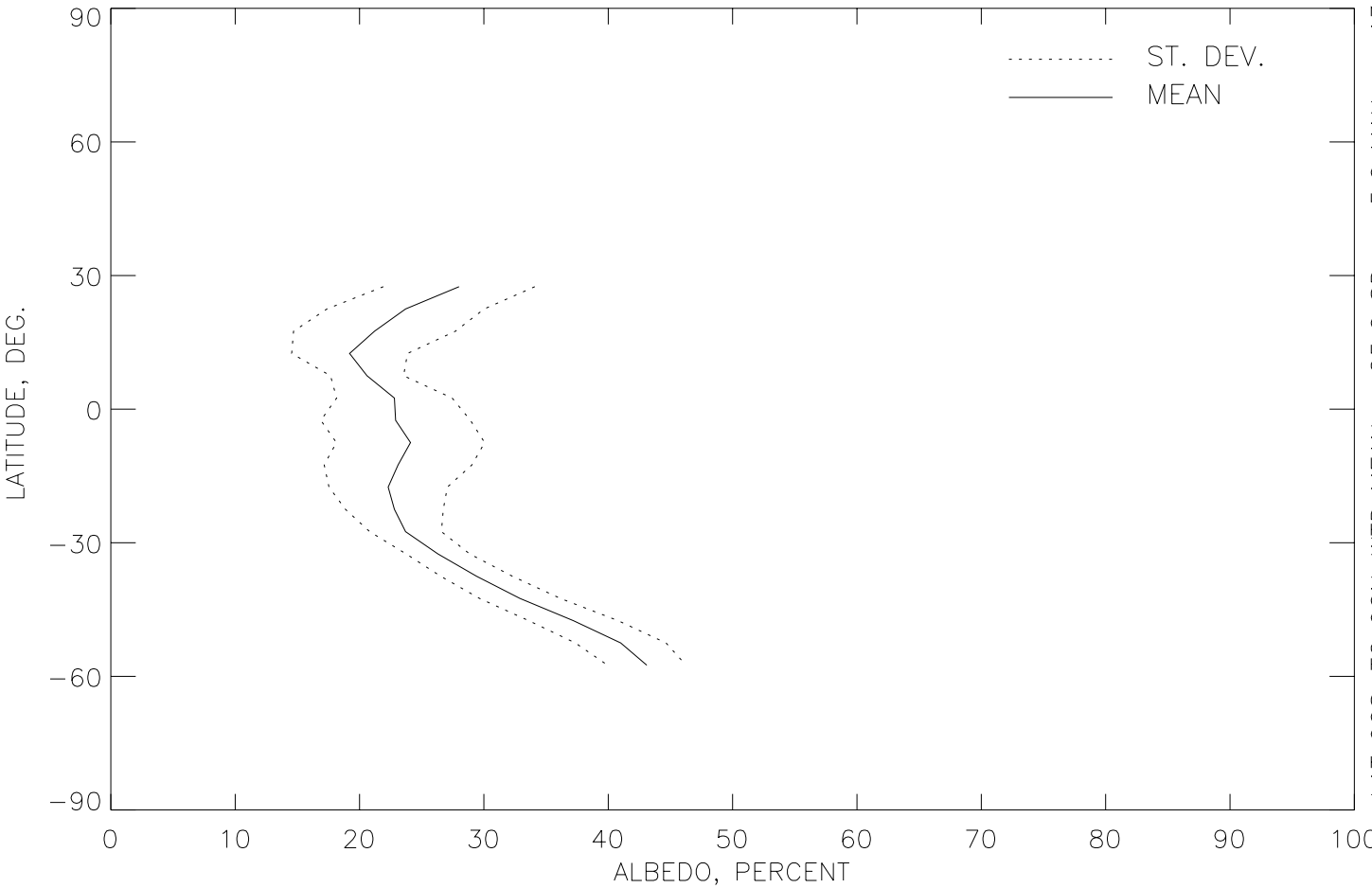


LAT 90S TO 90N	WTD MEAN=	100.5	SD=	18.9	MAX=	129.20	
LAT 0 TO 90N	WTD MEAN=	97.4	SD=	20.3	LAT=	32.50	
LAT 0 TO 50N	WTD MEAN=	97.4	SD=	20.3			
LAT 90S TO 0	WTD MEAN=	102.6	SD=	17.9	MIN=	81.20	
LAT 50S TO 0	WTD MEAN=	101.3	SD=	18.8	LAT=	12.50	
LAT 50S TO 50N	WTD MEAN=	99.6	SD=	19.4			

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, MAR 88, HGMA, PRC–03–03–01

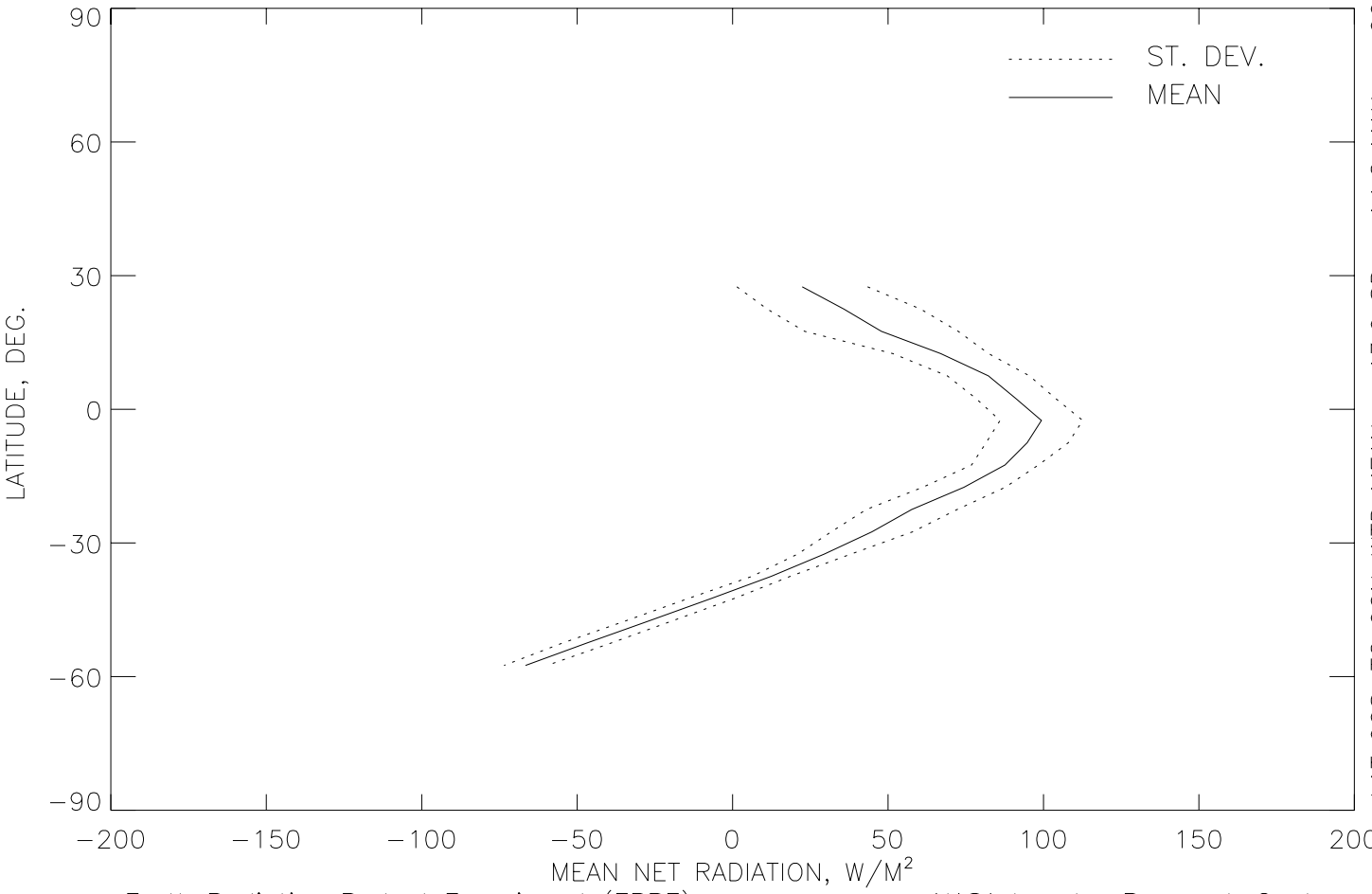


LAT 90S TO 90N	WTD MEAN= 25.6	SD= 5.0	MAX= 43.10			
LAT 0 TO 90N	WTD MEAN= 23.9	SD= 5.6	LAT= −57.50			
LAT 0 TO 50N	WTD MEAN= 23.9	SD= 5.6				
LAT 90S TO 0	WTD MEAN= 26.8	SD= 4.5	MIN= 19.20			
LAT 50S TO 0	WTD MEAN= 25.5	SD= 4.6	LAT= 12.50			
LAT 50S TO 50N	WTD MEAN= 24.8	SD= 5.1				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAR 88, HGMA, PRC–03–03–01

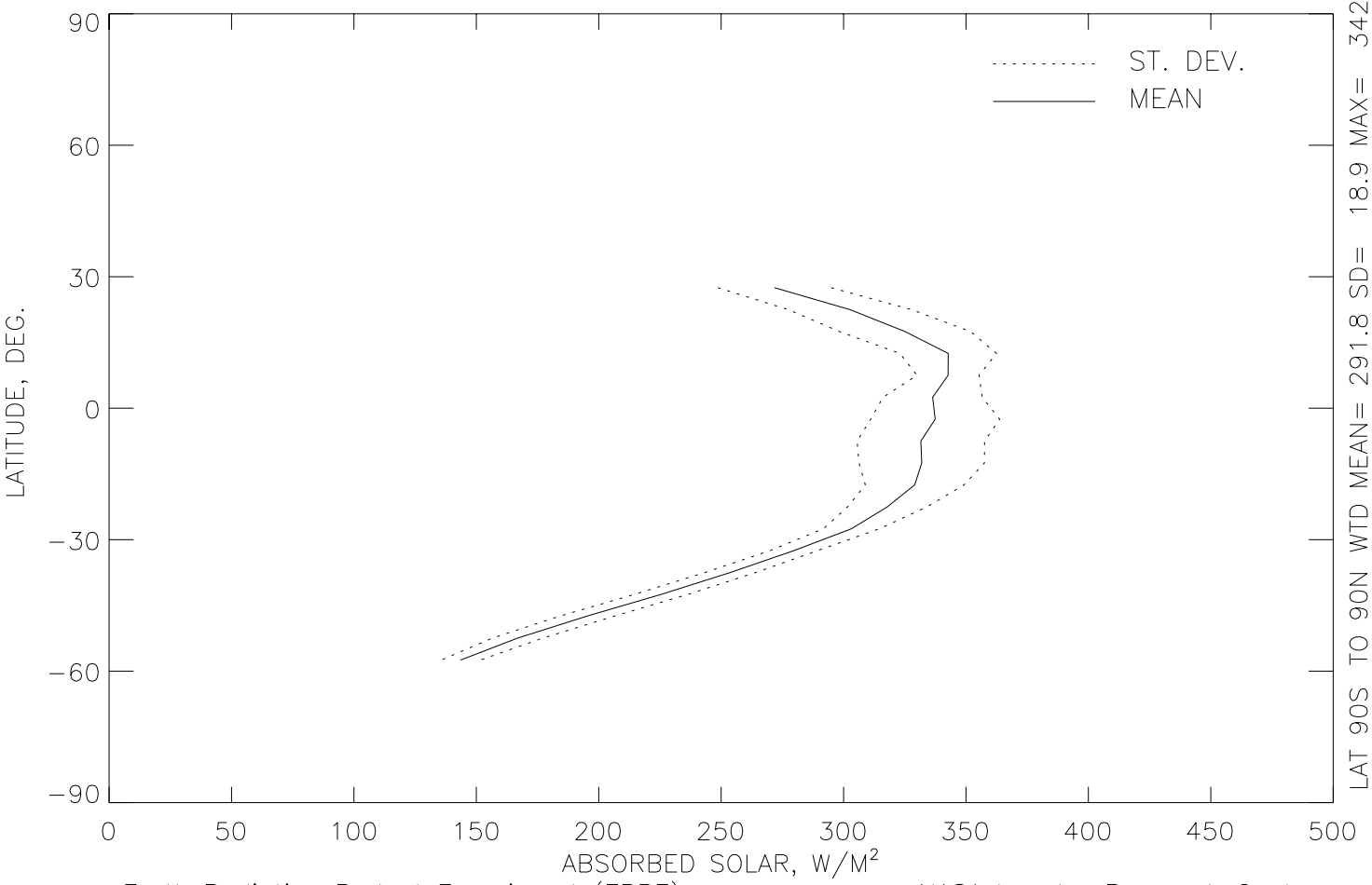


LAT 90S TO 90N WTD MEAN= 43.9 SD= 14.2 MAX= 99.33
LAT 0 TO 90N WTD MEAN= 51.0 SD= 17.9 LAT= −2.50
LAT 0 TO 50N WTD MEAN= 51.0 SD= 17.9
LAT 90S TO 0 WTD MEAN= 39.2 SD= 11.1 MIN= −66.61
LAT 50S TO 0 WTD MEAN= 51.7 SD= 11.4 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 51.4 SD= 14.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAR 88, HGMA, PRC–03–03–01

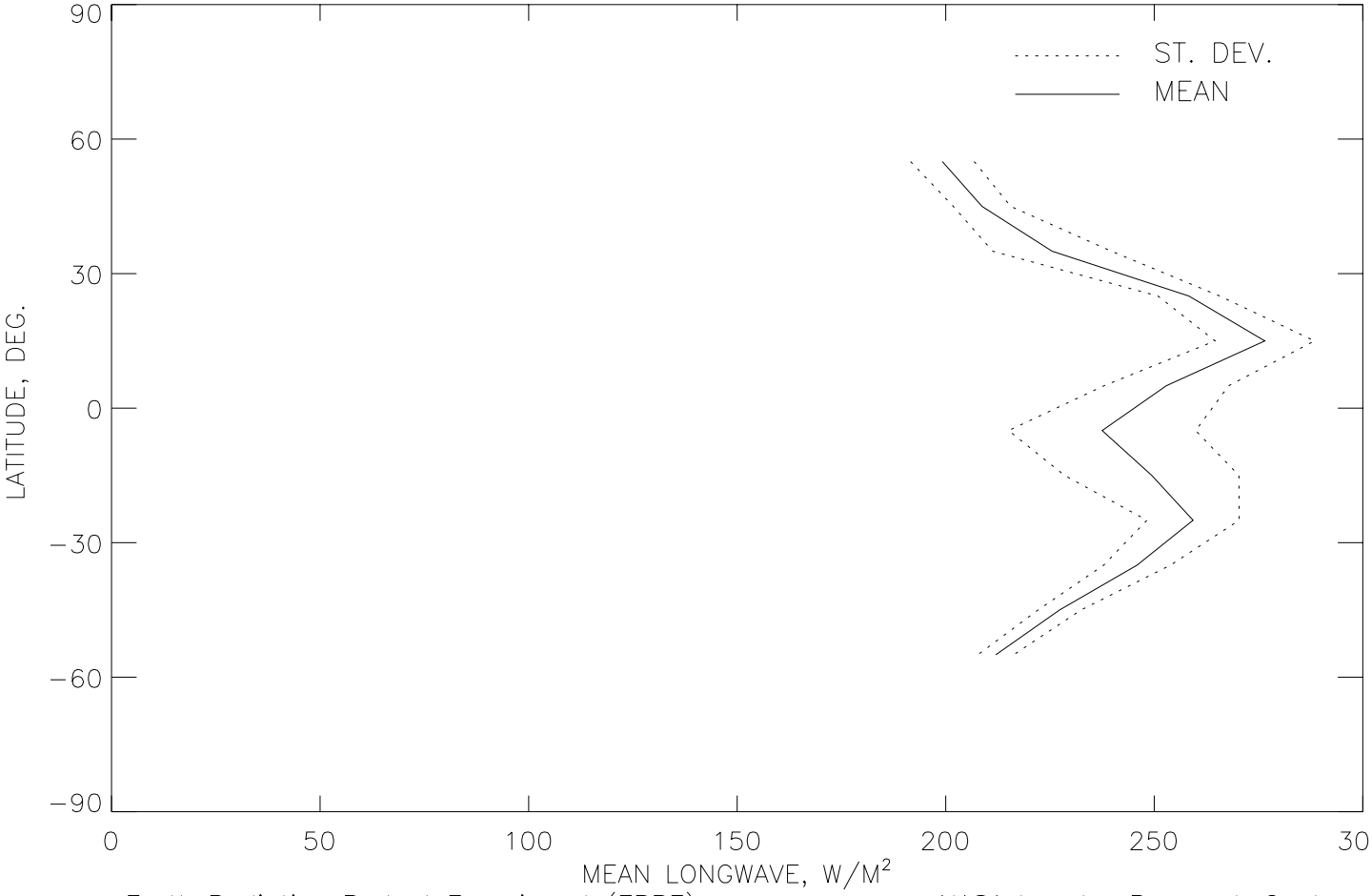


LAT 90S TO 90N WTD MEAN= 291.8 SD= 18.9 MAX= 342.75
LAT 0 TO 90N WTD MEAN= 309.5 SD= 20.4 LAT= 12.50
LAT 0 TO 50N WTD MEAN= 309.5 SD= 20.4
LAT 90S TO 0 WTD MEAN= 280.0 SD= 17.9 MIN= 143.49
LAT 50S TO 0 WTD MEAN= 296.2 SD= 18.8 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 301.9 SD= 19.5

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, MAR 88, HGMA, PRC–03–03–01

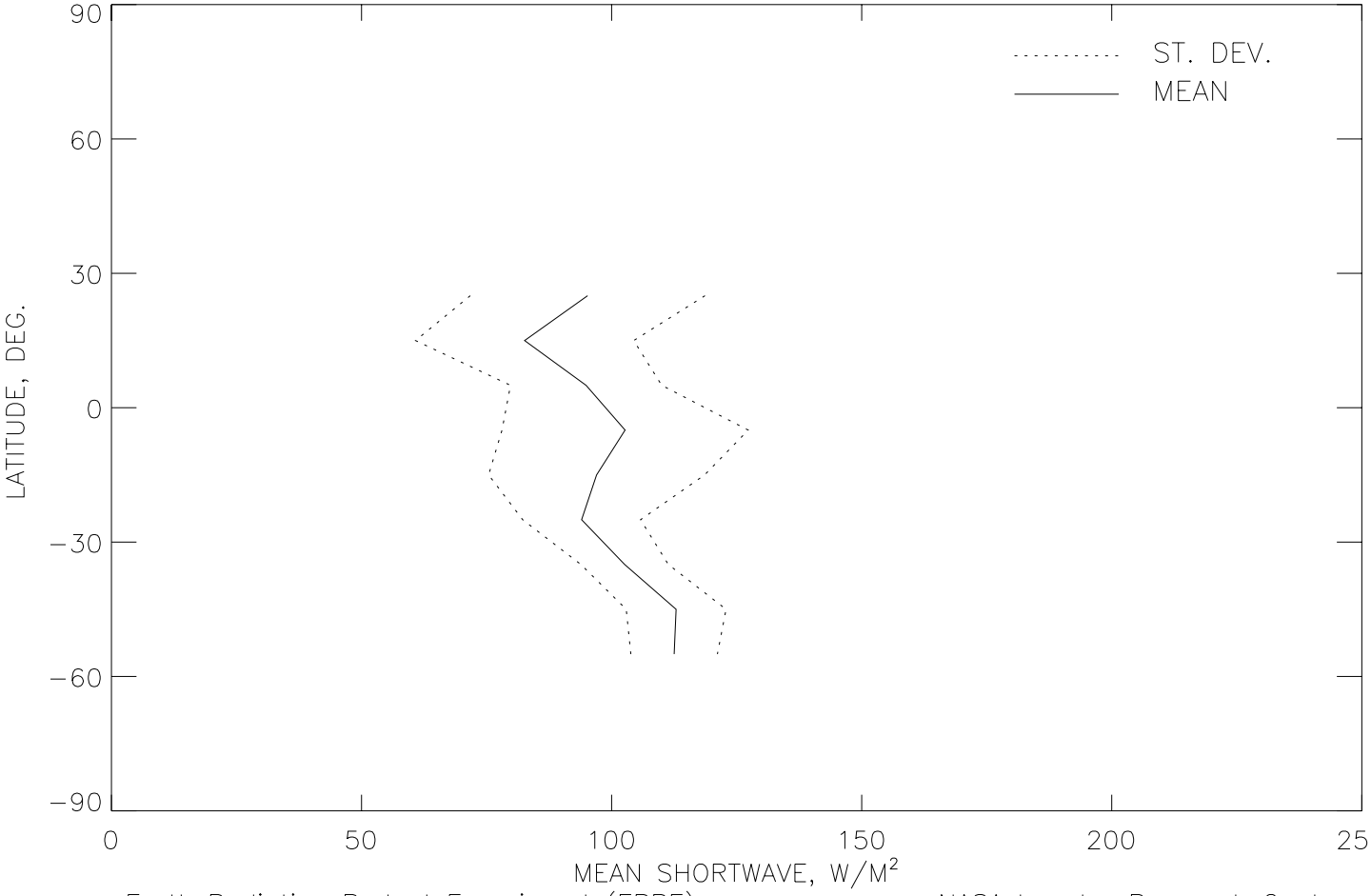


LAT 90S TO 90N WTD MEAN= 241.1 SD= 13.3 MAX= 276.50
LAT 0 TO 90N WTD MEAN= 241.5 SD= 11.4 LAT= 15.00
LAT 0 TO 50N WTD MEAN= 247.0 SD= 11.8
LAT 90S TO 0 WTD MEAN= 240.8 SD= 15.0 MIN= 199.20
LAT 50S TO 0 WTD MEAN= 244.5 SD= 15.9 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 245.8 SD= 14.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

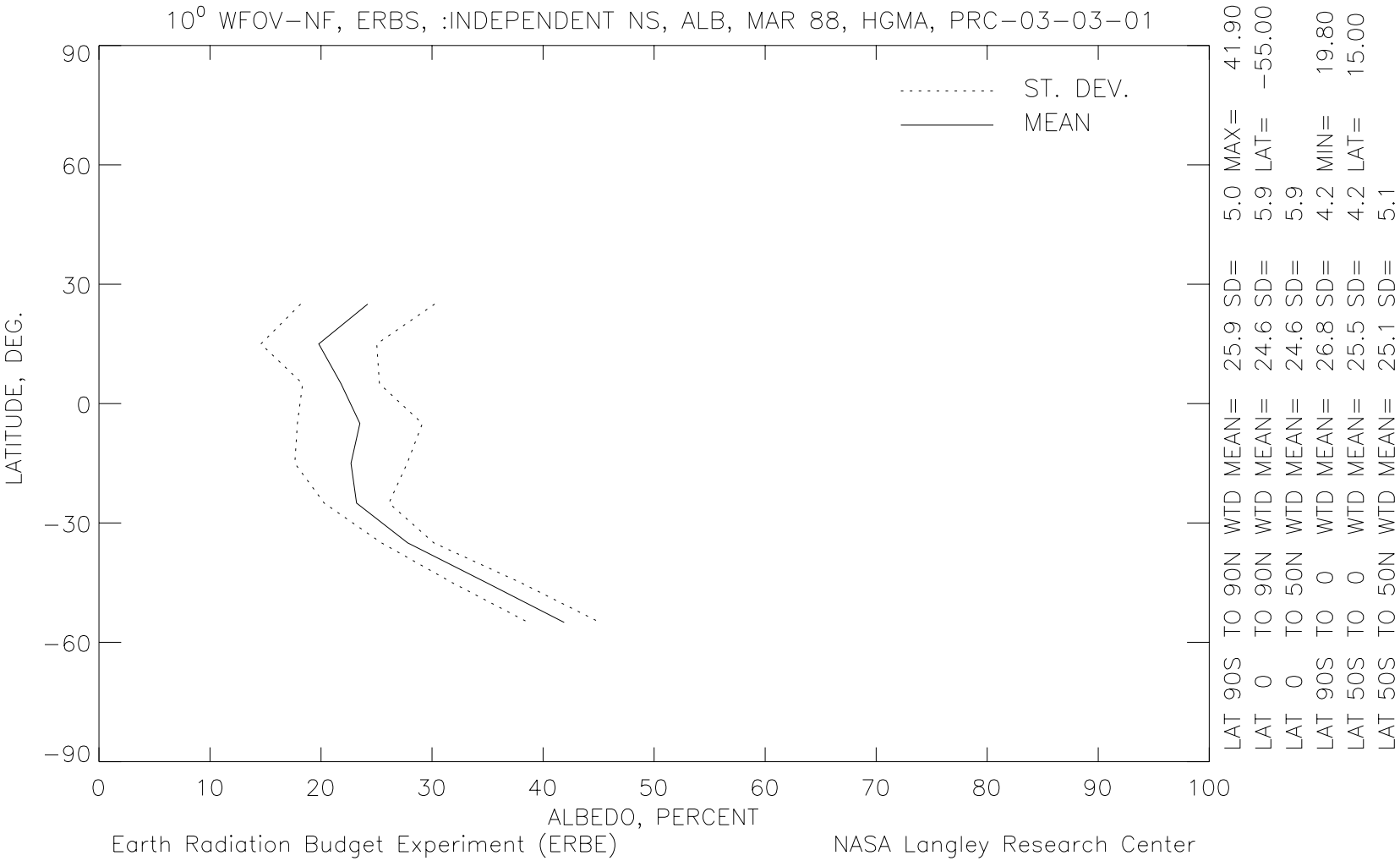
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAR 88, HGMA, PRC–03–03–01



LAT 90S TO 90N	WTD MEAN=	97.3	SD=	16.9	MAX=	129.20	
LAT 0 TO 90N	WTD MEAN=	99.4	SD=	18.0	LAT=	35.00	
LAT 0 TO 50N	WTD MEAN=	99.4	SD=	18.0			
LAT 90S TO 0	WTD MEAN=	102.6	SD=	16.5	MIN=	82.60	
LAT 50S TO 0	WTD MEAN=	101.3	SD=	17.3	LAT=	15.00	
LAT 50S TO 50N	WTD MEAN=	100.4	SD=	17.6			

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

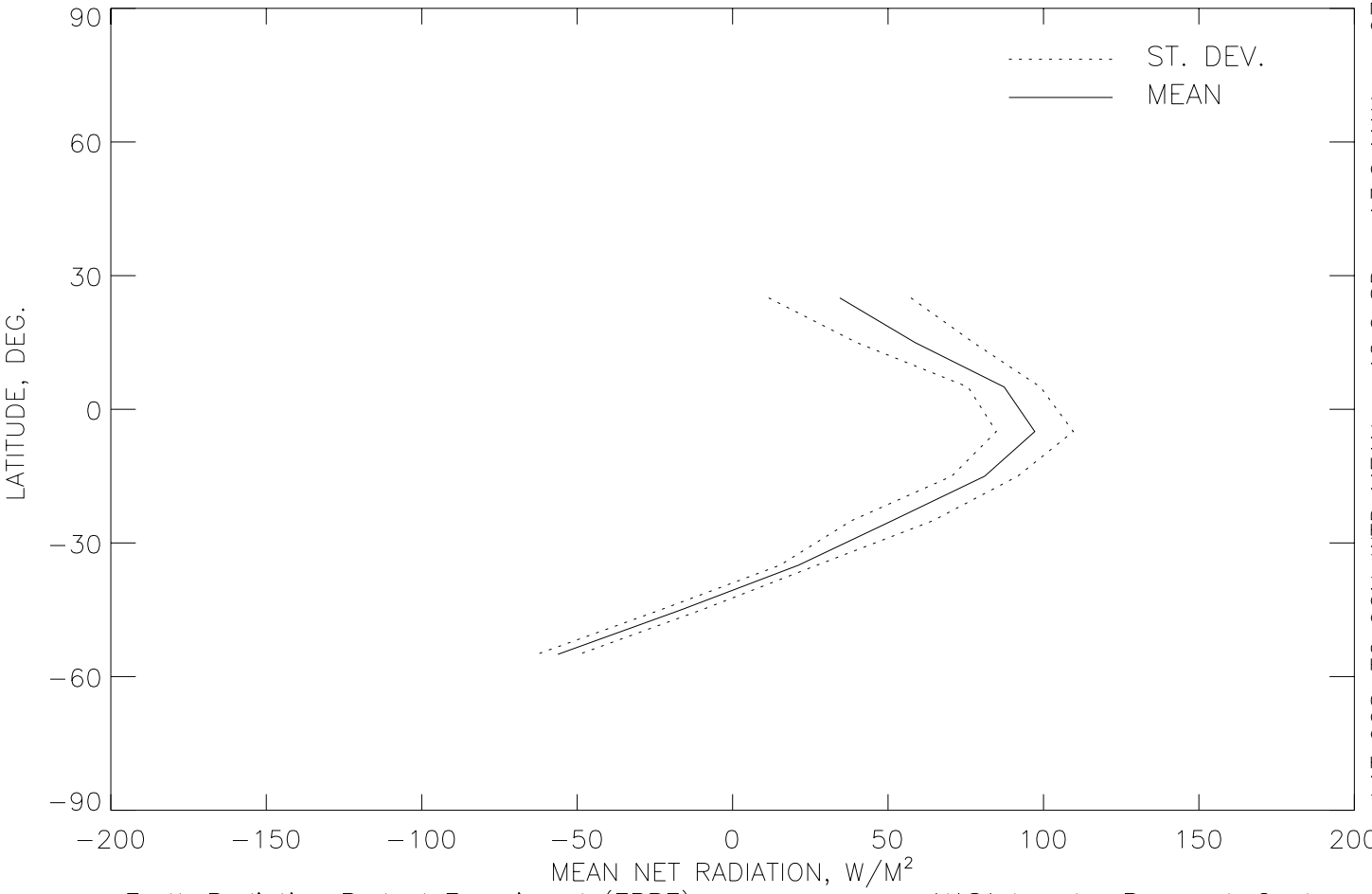
ALBEDO



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAR 88, HGMA, PRC–03–03–01

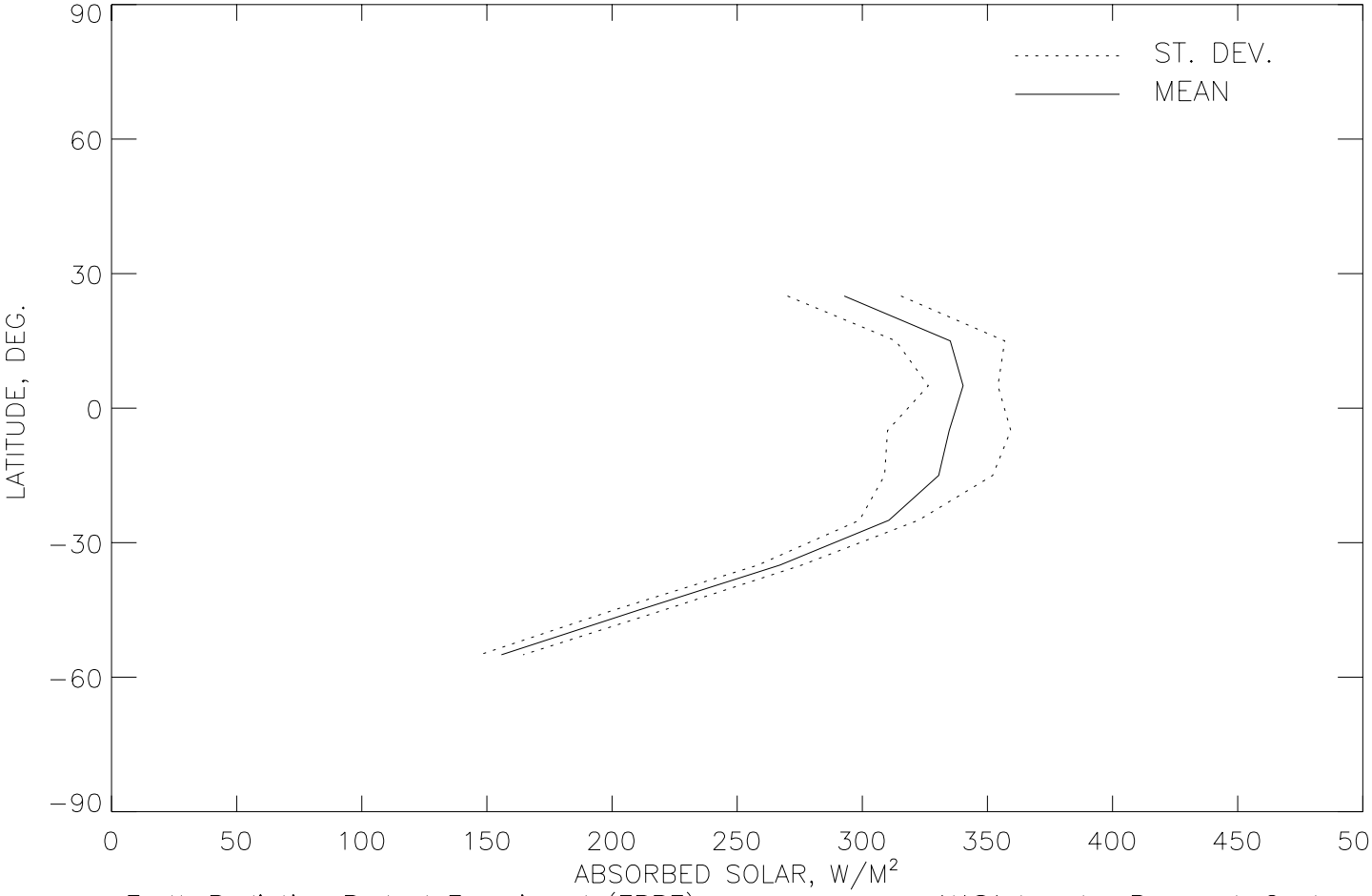


LAT 90S TO 90N WTD MEAN= 42.6 SD= 13.0 MAX= 97.21
LAT 0 TO 90N WTD MEAN= 47.1 SD= 16.1 LAT= −5.00
LAT 0 TO 50N WTD MEAN= 47.1 SD= 16.1
LAT 90S TO 0 WTD MEAN= 39.3 SD= 10.1 MIN= −56.20
LAT 50S TO 0 WTD MEAN= 51.7 SD= 10.4 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 49.6 SD= 13.3

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAR 88, HGMA, PRC–03–03–01

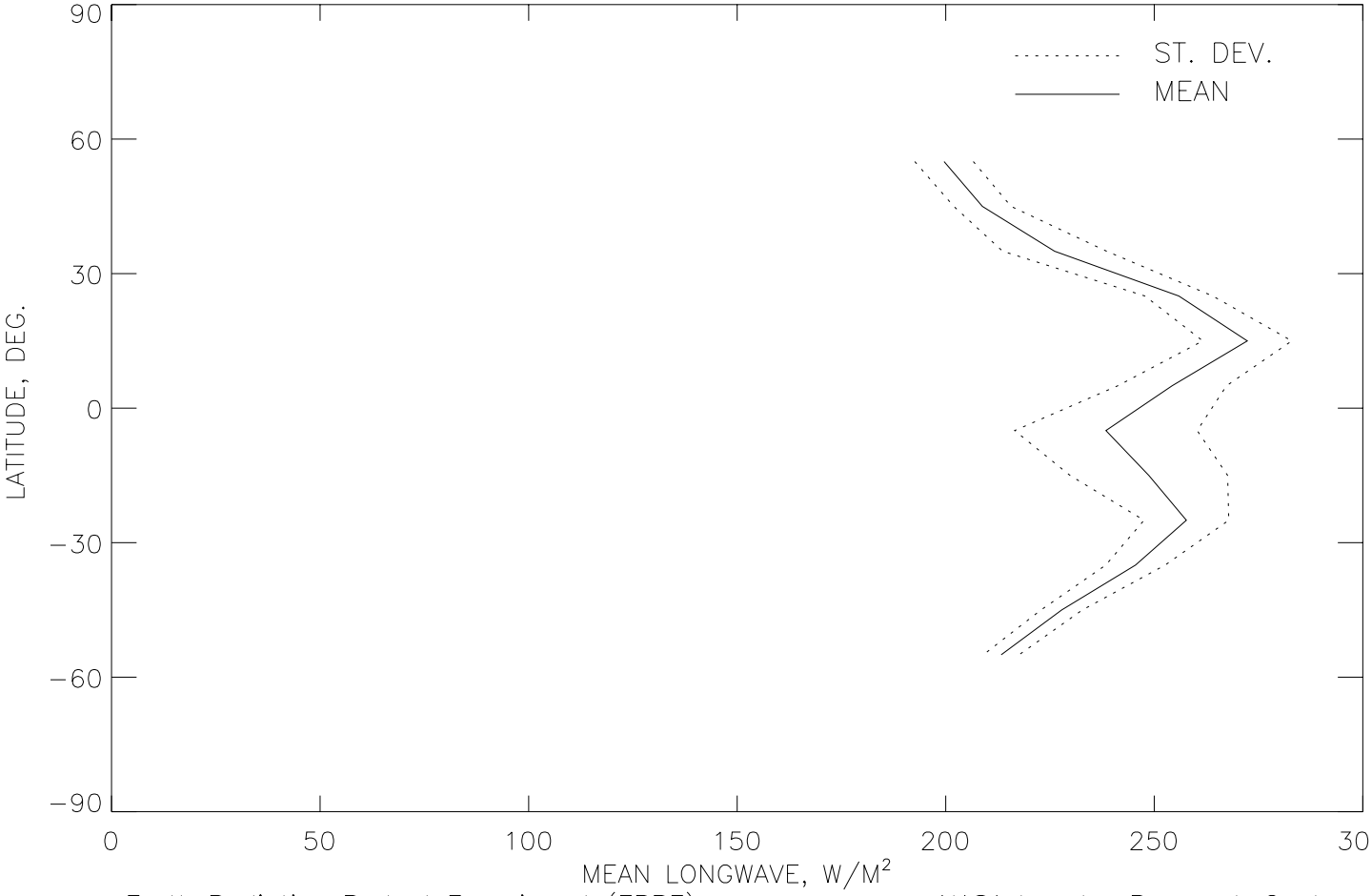


LAT 90S TO 90N WTD MEAN= 289.2 SD= 17.0 MAX= 340.28
LAT 0 TO 90N WTD MEAN= 301.4 SD= 17.7 LAT= 5.00
LAT 0 TO 50N WTD MEAN= 301.4 SD= 17.7
LAT 90S TO 0 WTD MEAN= 280.1 SD= 16.5 MIN= 155.80
LAT 50S TO 0 WTD MEAN= 296.3 SD= 17.3 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 298.6 SD= 17.5

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, MAR 88, HGMA, PRC–03–03–01

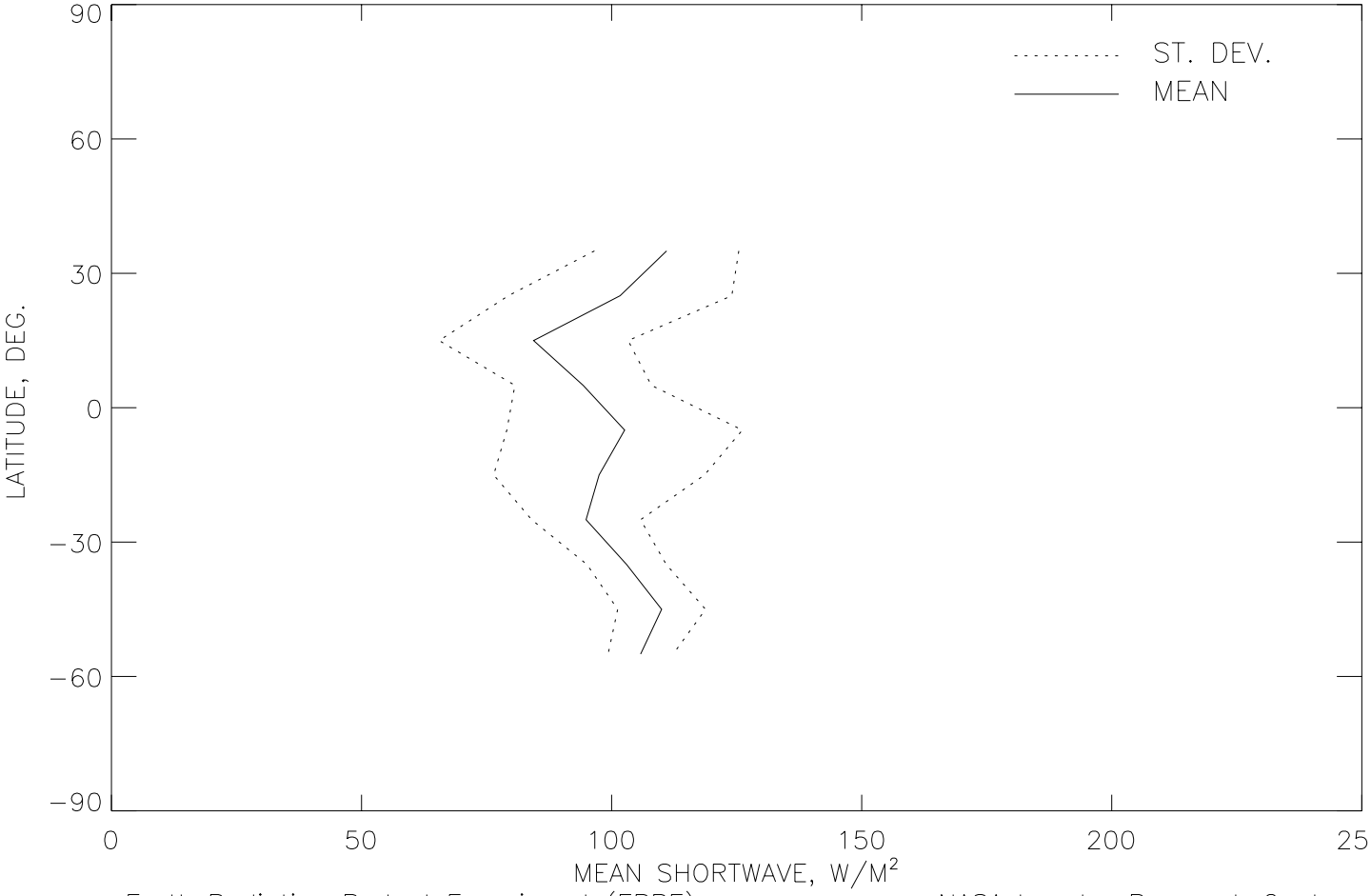


LAT 90S TO 90N WTD MEAN= 240.7 SD= 12.3 MAX= 272.30
LAT 0 TO 90N WTD MEAN= 240.7 SD= 10.3 LAT= 15.00
LAT 0 TO 50N WTD MEAN= 246.0 SD= 10.7
LAT 90S TO 0 WTD MEAN= 240.7 SD= 14.1 MIN= 199.60
LAT 50S TO 0 WTD MEAN= 244.3 SD= 14.9 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 245.1 SD= 12.9

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, MAR 88, HGMA, PRC–03–03–01

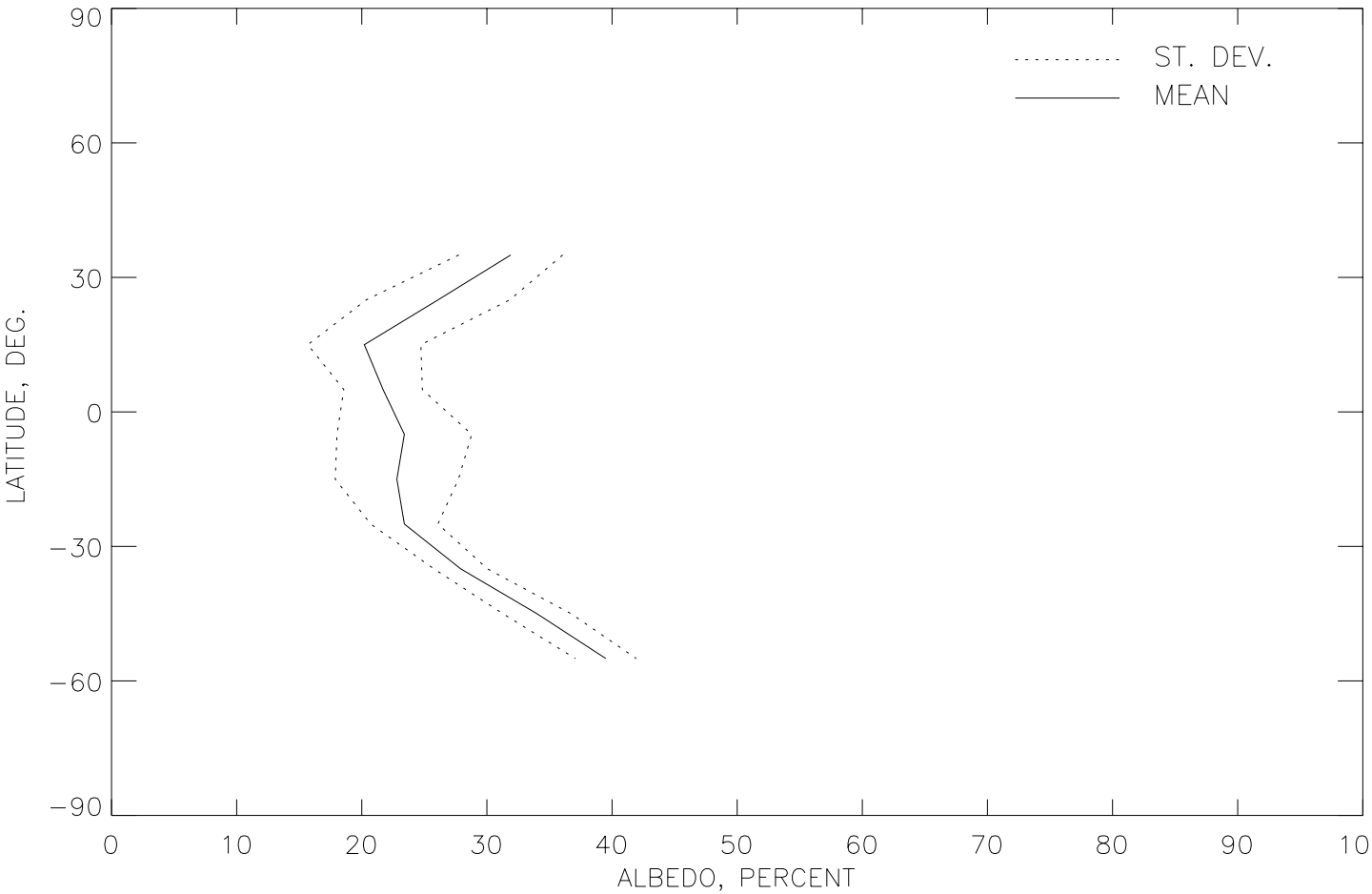


LAT 90S TO 90N	WTD MEAN= 97.1	SD= 15.7	MAX= 112.20				
LAT 0 TO 90N	WTD MEAN= 99.6	SD= 16.3	LAT= 45.00				
LAT 0 TO 50N	WTD MEAN= 99.6	SD= 16.3					
LAT 90S TO 0	WTD MEAN= 101.7	SD= 15.7	MIN= 84.40				
LAT 50S TO 0	WTD MEAN= 101.2	SD= 16.5	LAT= 15.00				
LAT 50S TO 50N	WTD MEAN= 100.4	SD= 16.4					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

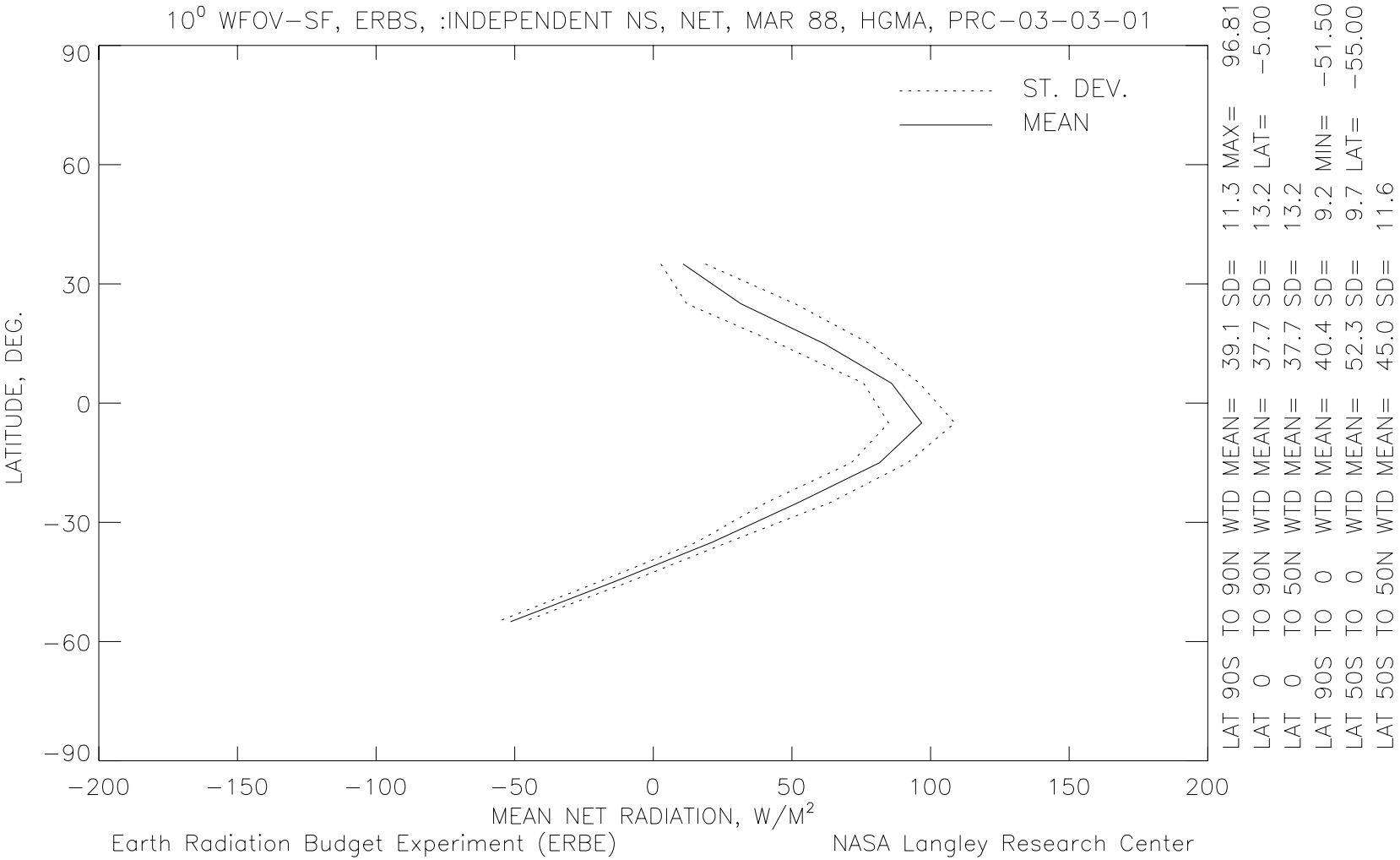
10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, MAR 88, HGMA, PRC–03–03–01



LAT 90S TO 90N	WTD MEAN=	26.3	SD=	4.3	MAX=	39.50
LAT 0 TO 90N	WTD MEAN=	26.0	SD=	4.7	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	26.0	SD=	4.7		
LAT 90S TO 0	WTD MEAN=	26.6	SD=	3.9	MIN=	20.20
LAT 50S TO 0	WTD MEAN=	25.4	SD=	4.0	LAT=	15.00
LAT 50S TO 50N	WTD MEAN=	25.7	SD=	4.4		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

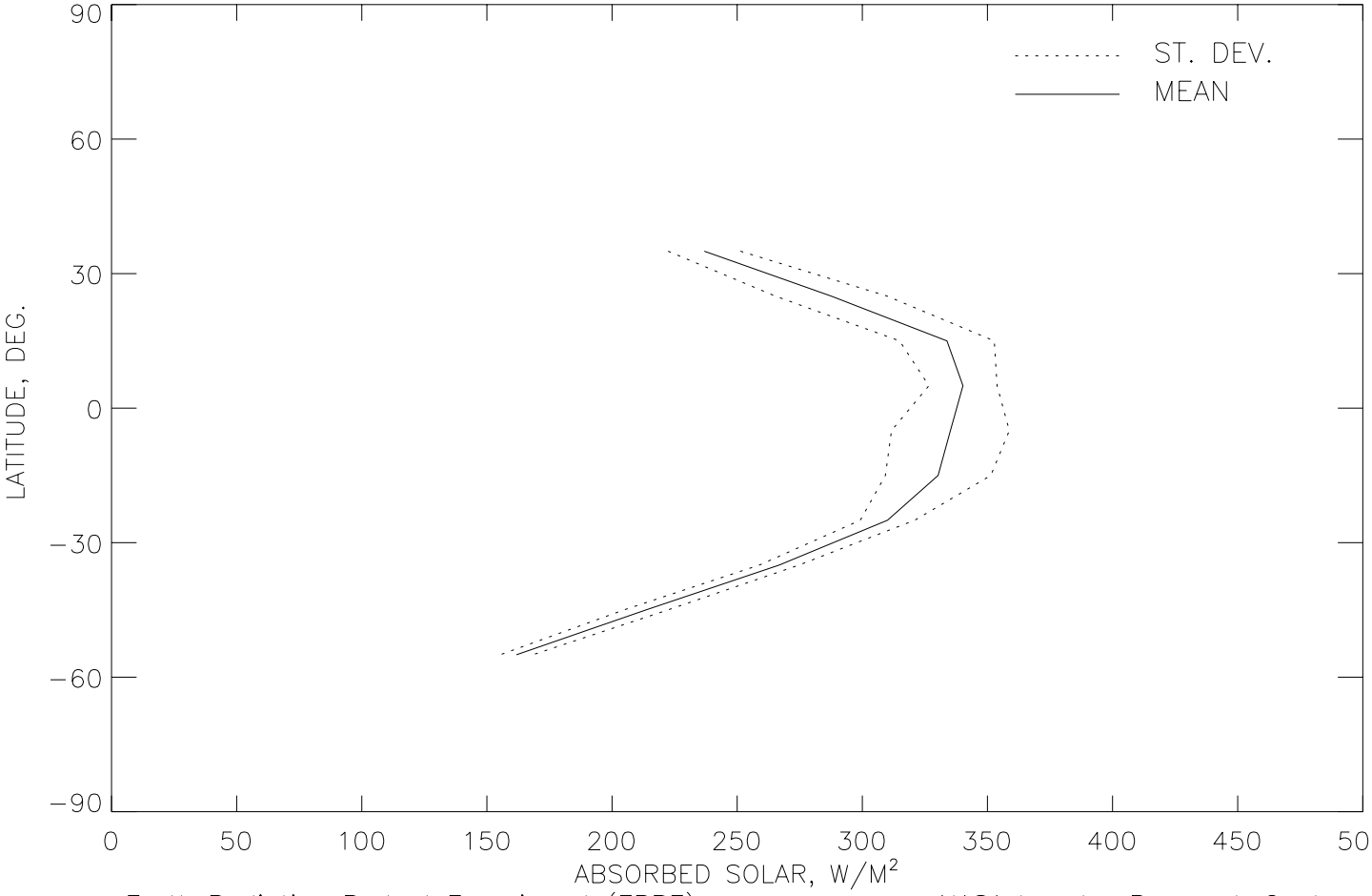
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, MAR 88, HGMA, PRC–03–03–01



LAT 90S TO 90N WTD MEAN= 282.3 SD= 16.0 MAX= 340.23
LAT 0 TO 90N WTD MEAN= 283.8 SD= 16.3 LAT= 5.00
LAT 0 TO 50N WTD MEAN= 283.8 SD= 16.3
LAT 90S TO 0 WTD MEAN= 281.0 SD= 15.7 MIN= 161.80
LAT 50S TO 0 WTD MEAN= 296.6 SD= 16.5 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 290.2 SD= 16.4

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