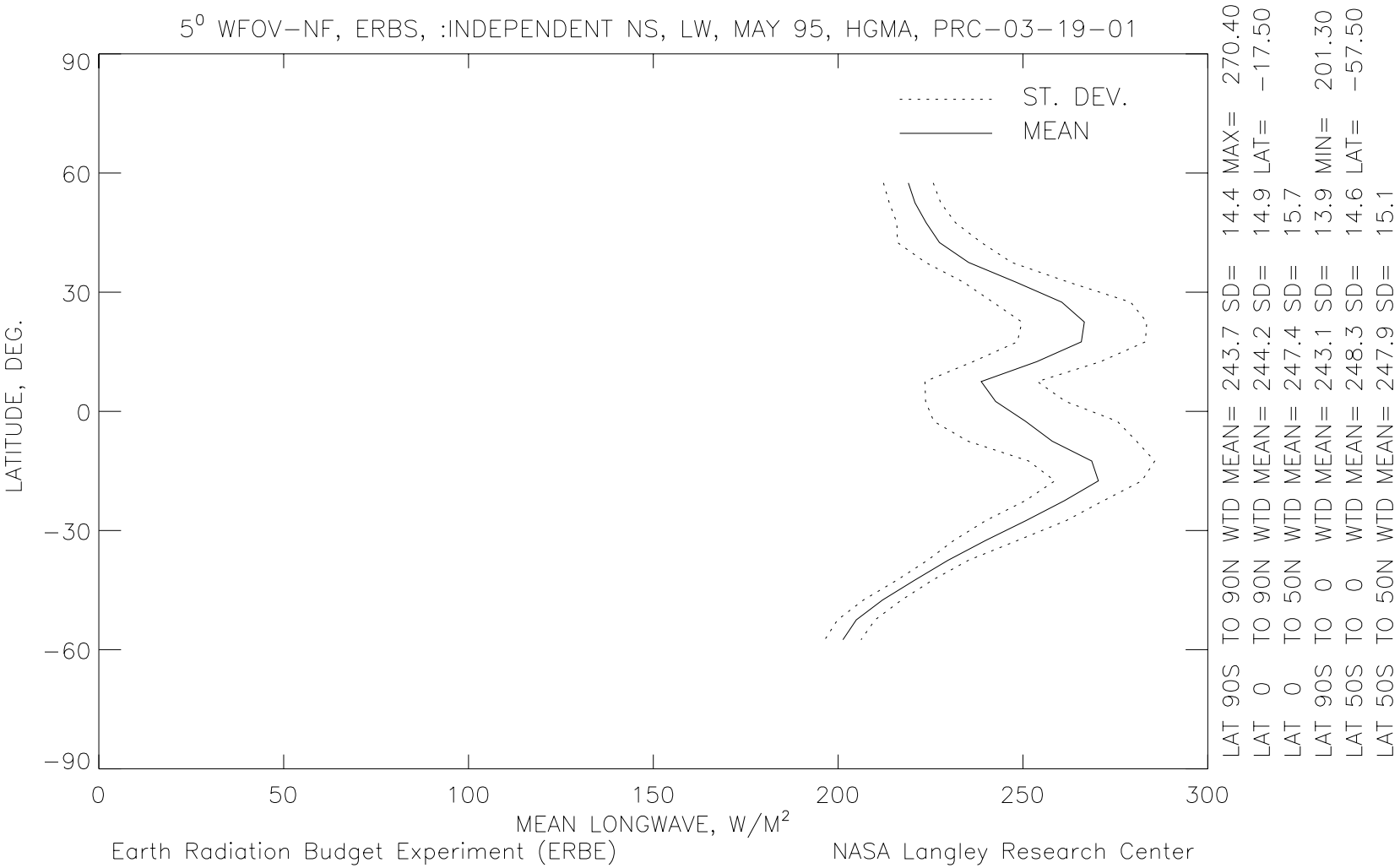
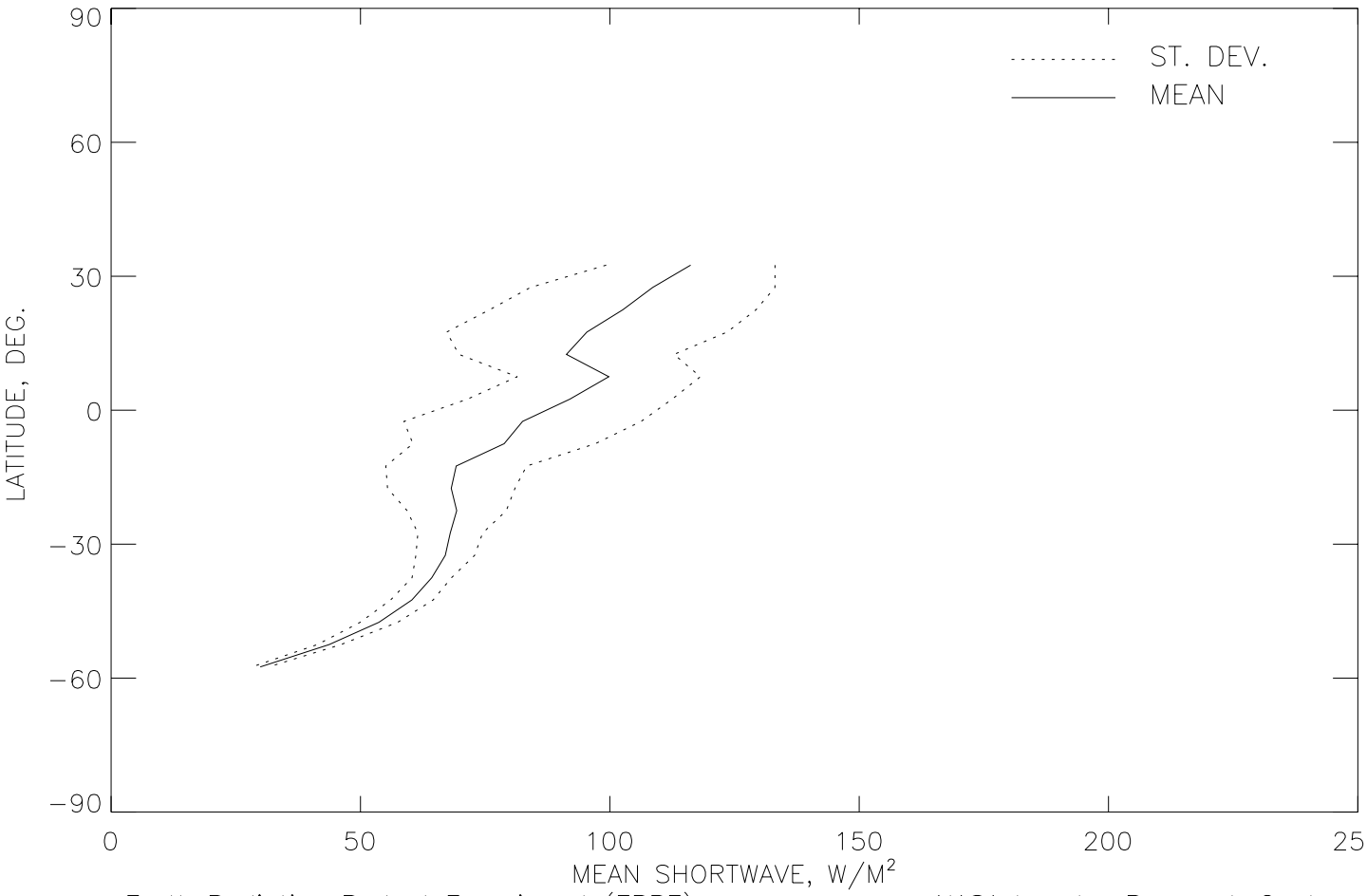
LONGWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAY 95, HGMA, PRC–03–19–01

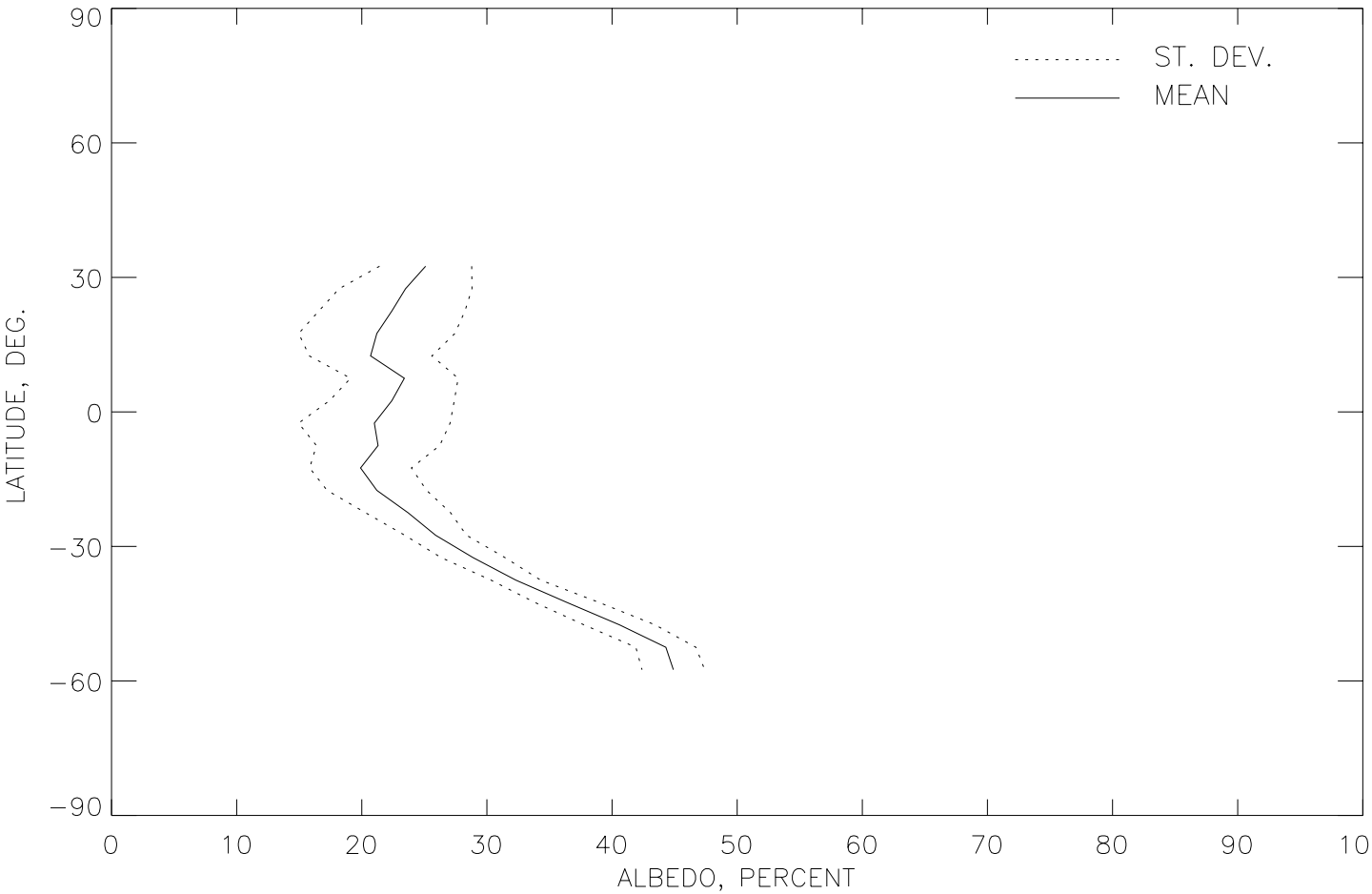


LAT 90S	TO 90N	WTD	MEAN=	79.3	SD=	17.1	MAX=	116.20
LAT 0	TO 90N	WTD	MEAN=	100.4	SD=	22.7	LAT=	32.50
LAT 0	TO 50N	WTD	MEAN=	100.4	SD=	22.7		
LAT 90S	TO 0	WTD	MEAN=	65.3	SD=	12.1	MIN=	29.90
LAT 50S	TO 0	WTD	MEAN=	69.0	SD=	12.8	LAT=	−57.50
LAT 50S	TO 50N	WTD	MEAN=	82.4	SD=	17.8		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, MAY 95, HGMA, PRC–03–19–01

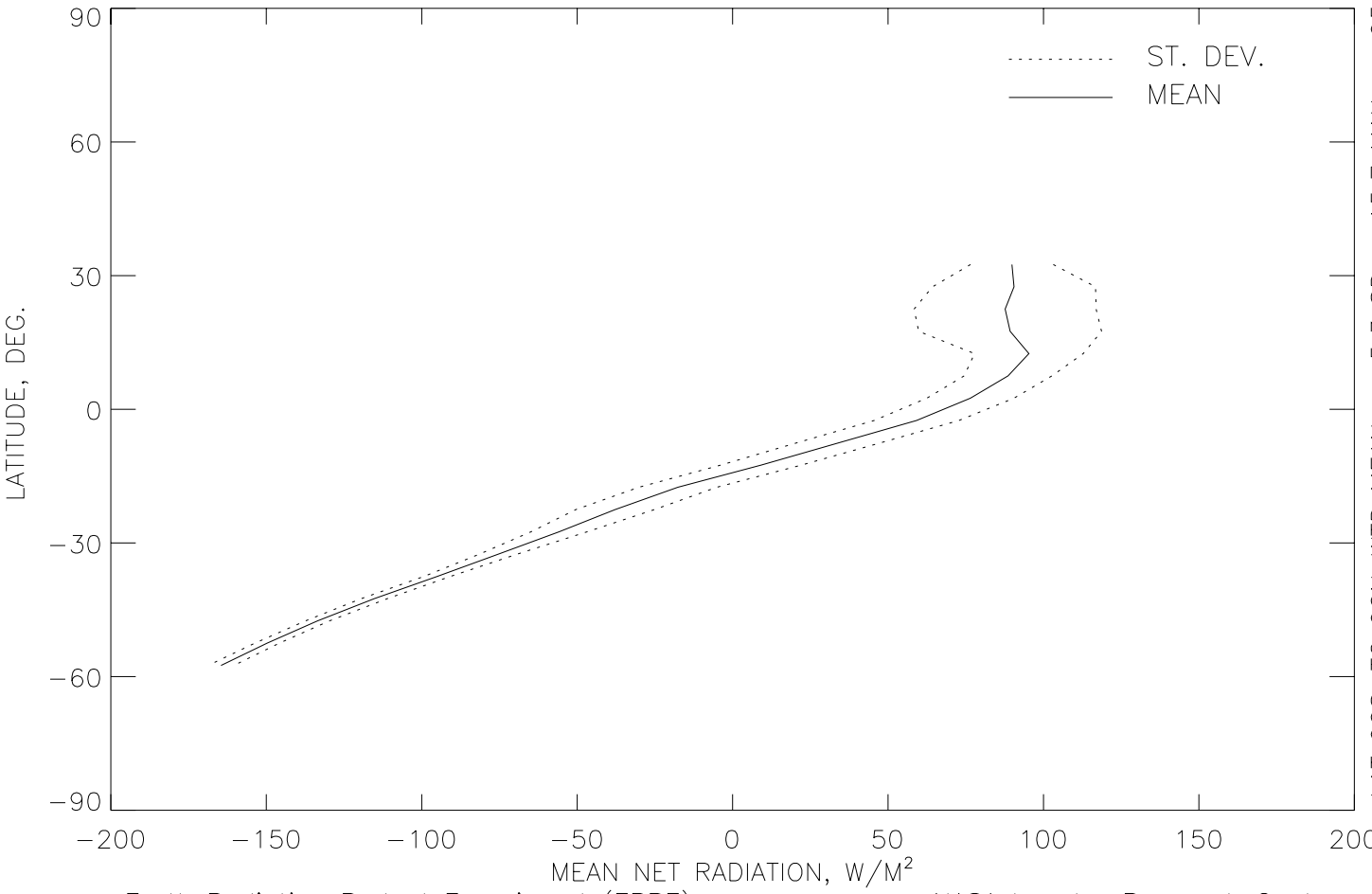


LAT 90S TO 90N WTD MEAN= 23.9 SD= 4.7 MAX= 44.90
LAT 0 TO 90N WTD MEAN= 22.6 SD= 5.1 LAT= −57.50
LAT 0 TO 50N WTD MEAN= 22.6 SD= 5.1
LAT 90S TO 0 WTD MEAN= 25.2 SD= 4.1 MIN= 19.90
LAT 50S TO 0 WTD MEAN= 24.5 SD= 4.1 LAT= −12.50
LAT 50S TO 50N WTD MEAN= 23.5 SD= 4.7

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAY 95, HGMA, PRC–03–19–01

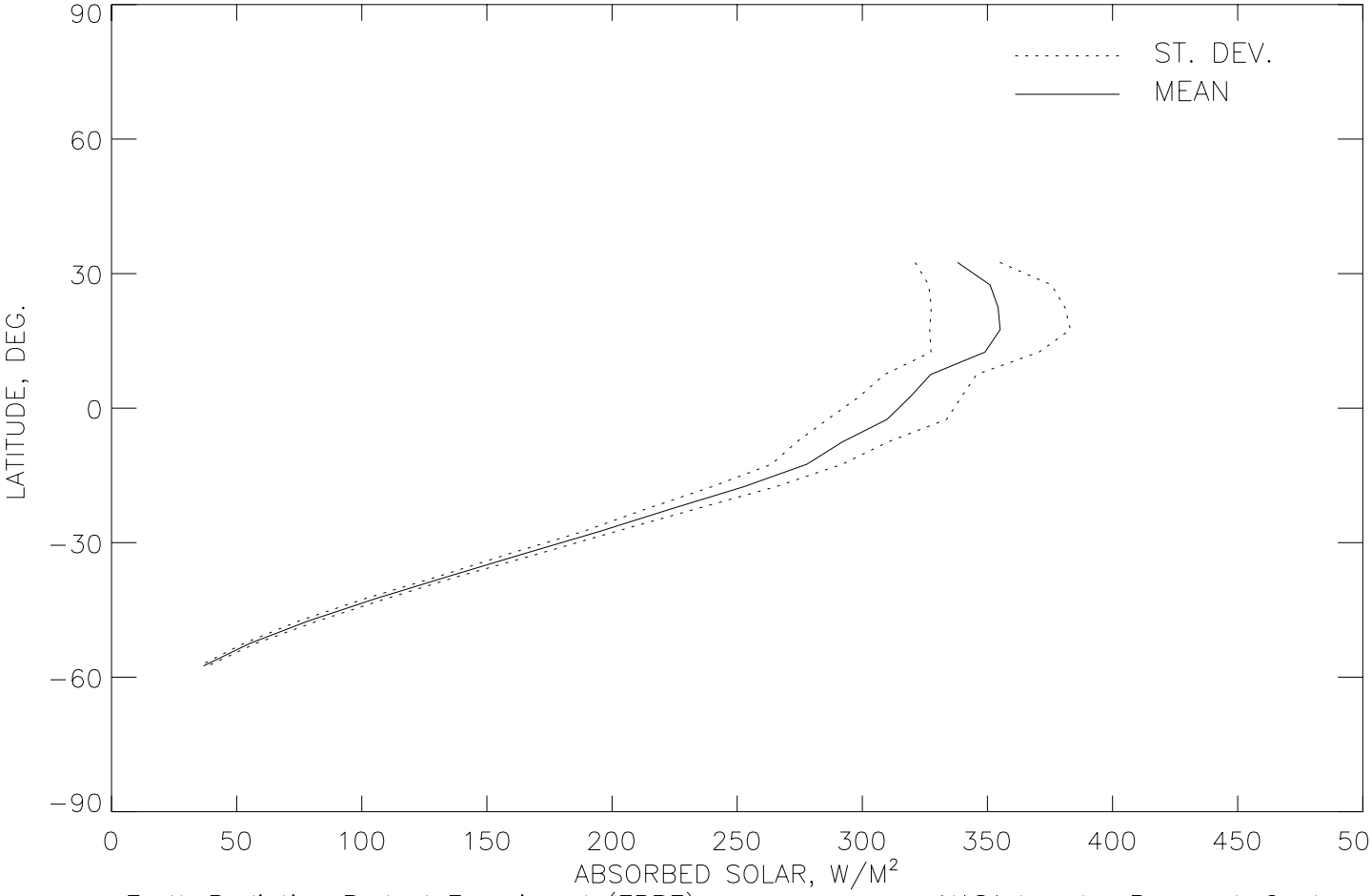


LAT 90S TO 90N WTD MEAN= 5.3 SD= 15.7 MAX= 95.31
LAT 0 TO 90N WTD MEAN= 88.1 SD= 21.6 LAT= 12.50
LAT 0 TO 50N WTD MEAN= 88.1 SD= 21.6
LAT 90S TO 0 WTD MEAN= −49.6 SD= 10.0 MIN= −164.56
LAT 50S TO 0 WTD MEAN= −35.7 SD= 10.5 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 17.3 SD= 16.2

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

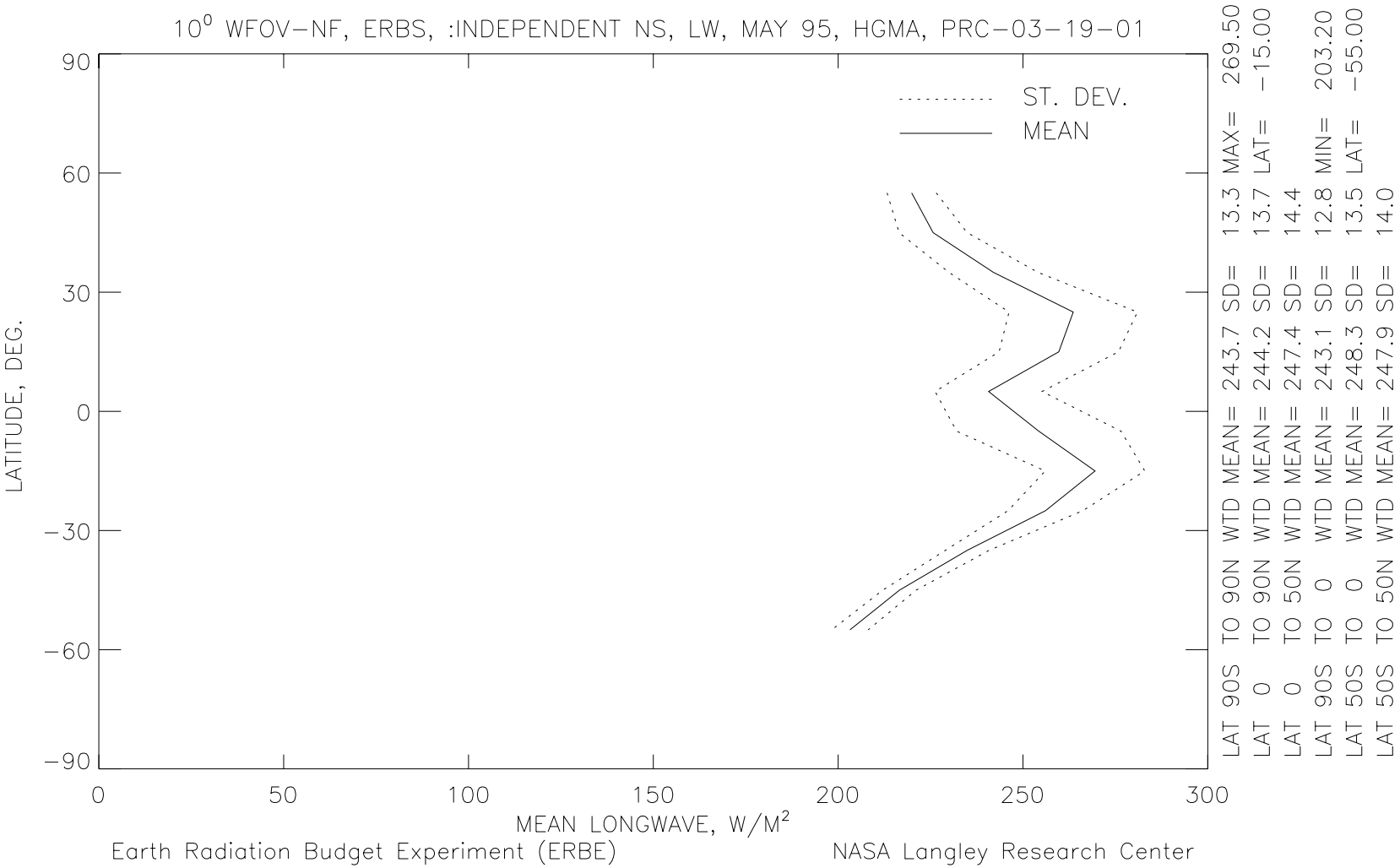
5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAY 95, HGMA, PRC–03–19–01



LAT 90S TO 90N WTD MEAN= 252.5 SD= 17.1 MAX= 355.07
LAT 0 TO 90N WTD MEAN= 341.7 SD= 22.7 LAT= 17.50
LAT 0 TO 50N WTD MEAN= 341.7 SD= 22.7
LAT 90S TO 0 WTD MEAN= 193.5 SD= 12.1 MIN= 36.74
LAT 50S TO 0 WTD MEAN= 212.7 SD= 12.8 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 267.9 SD= 17.7

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

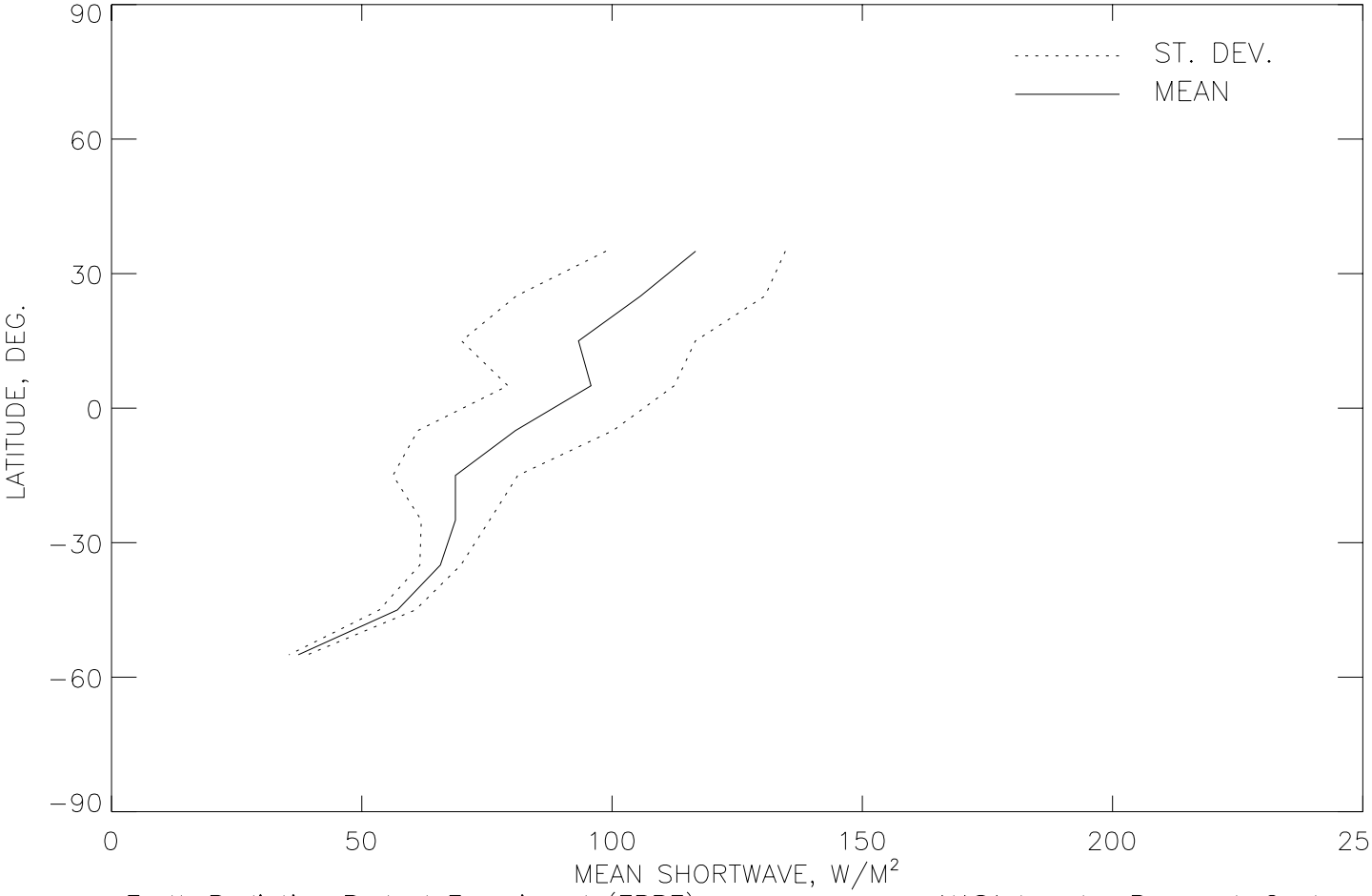
LONGWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

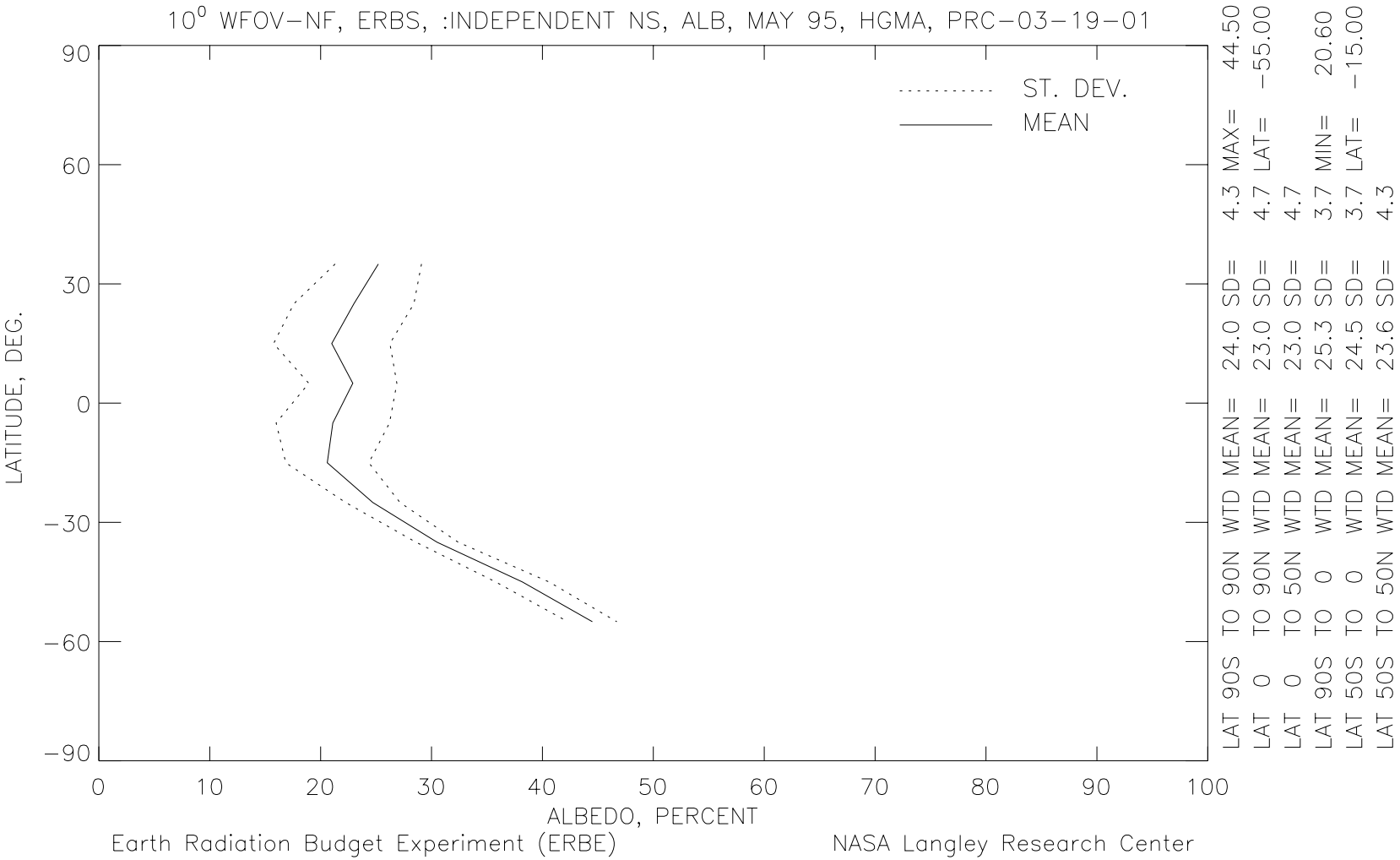
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAY 95, HGMA, PRC–03–19–01



LAT 90S TO 90N WTD MEAN= 81.0 SD= 16.0 MAX= 116.70
LAT 0 TO 90N WTD MEAN= 102.2 SD= 21.0 LAT= 35.00
LAT 0 TO 50N WTD MEAN= 102.2 SD= 21.0
LAT 90S TO 0 WTD MEAN= 65.3 SD= 11.0 MIN= 37.30
LAT 50S TO 0 WTD MEAN= 69.0 SD= 11.6 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 84.2 SD= 16.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

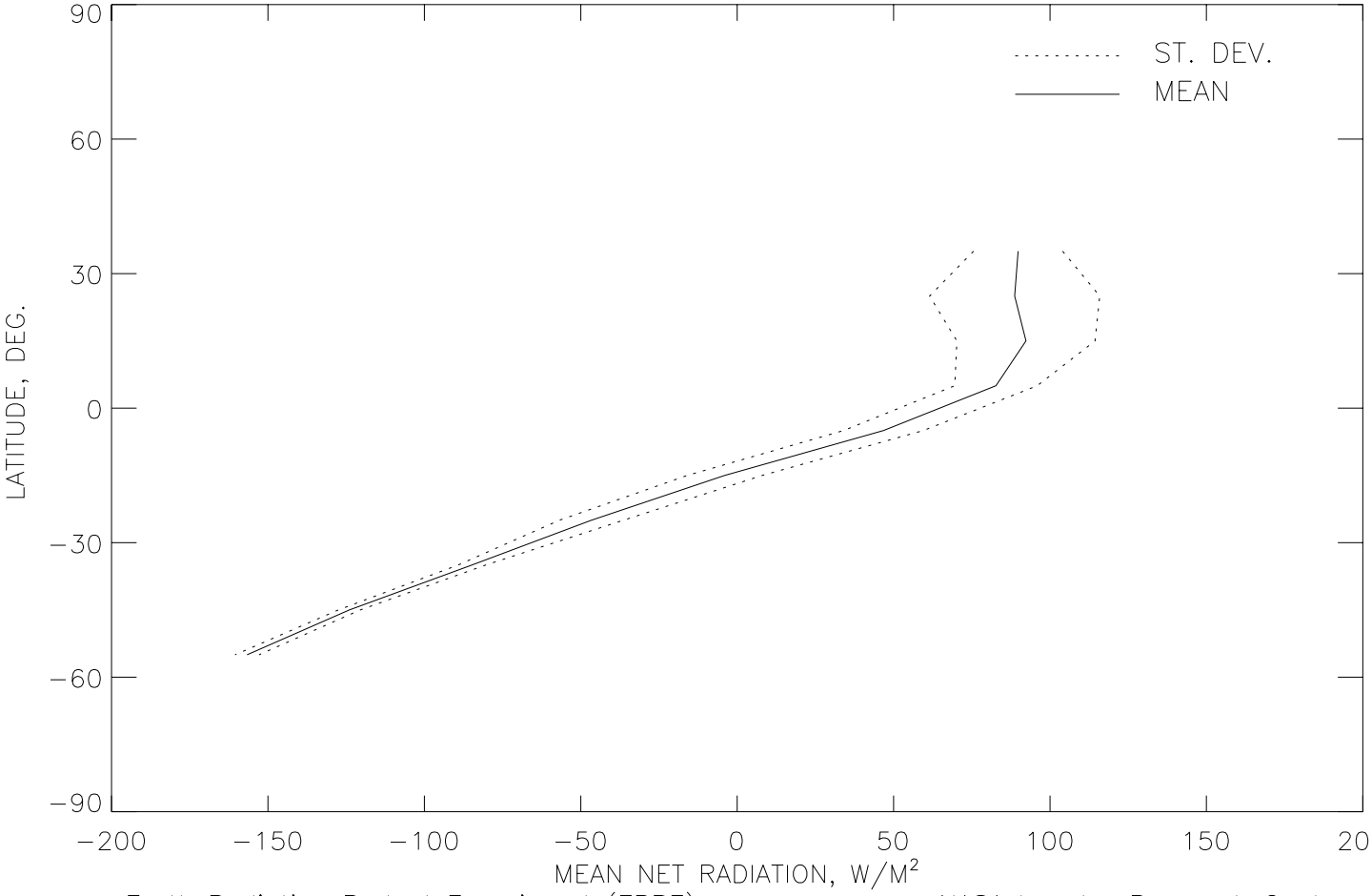
ALBEDO



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAY 95, HGMA, PRC–03–19–01

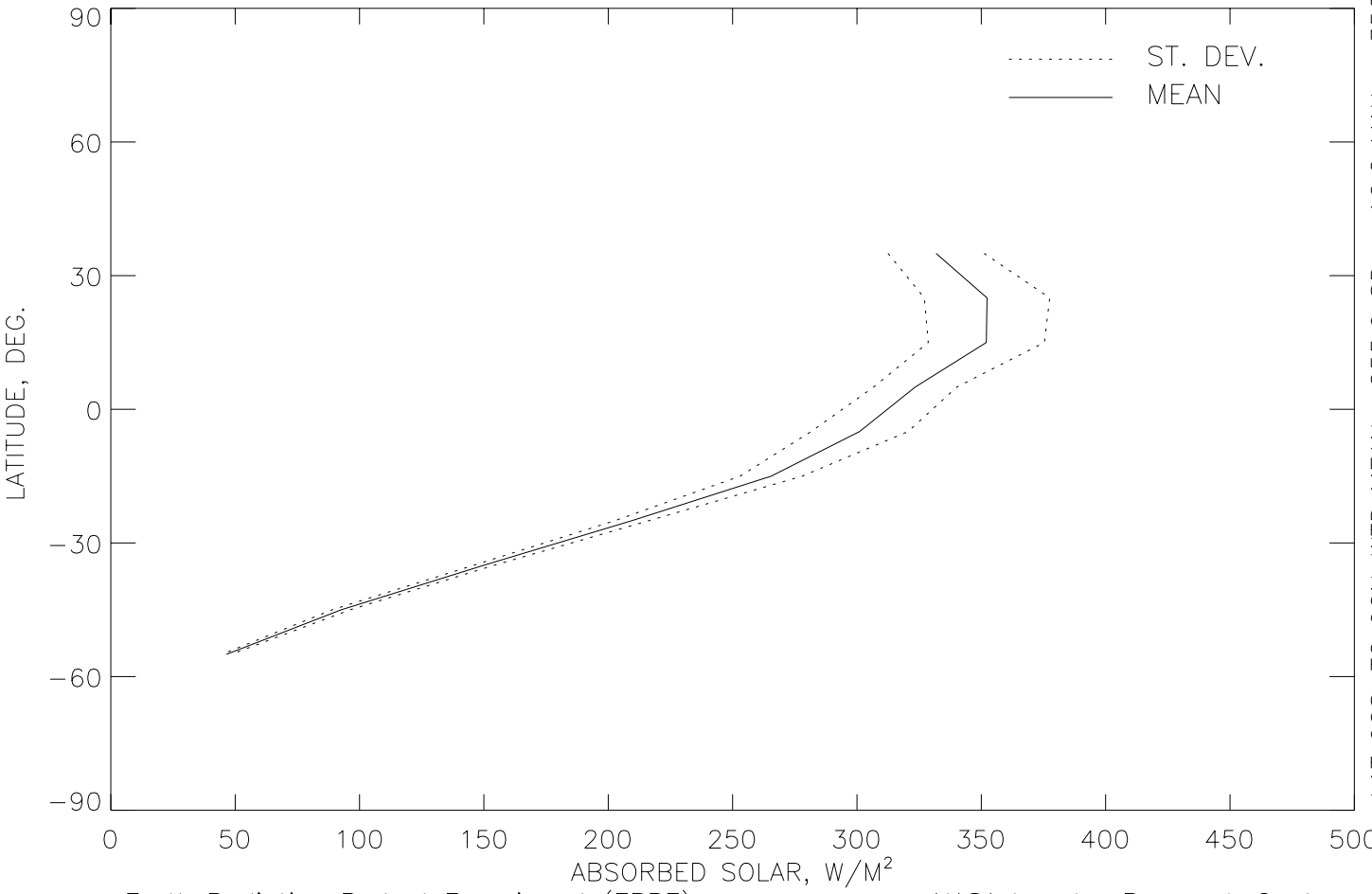


LAT 90S	TO 90N	WTD MEAN=	9.1	SD=	14.8	MAX=	92.32		
LAT 0	TO 90N	WTD MEAN=	88.3	SD=	20.0	LAT=	15.00		
LAT 0	TO 50N	WTD MEAN=	88.3	SD=	20.0				
LAT 90S	TO 0	WTD MEAN=	−49.6	SD=	9.3	MIN=	−156.69		
LAT 50S	TO 0	WTD MEAN=	−35.7	SD=	9.8	LAT=	−55.00		
LAT 50S	TO 50N	WTD MEAN=	20.9	SD=	15.3				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAY 95, HGMA, PRC–03–19–01

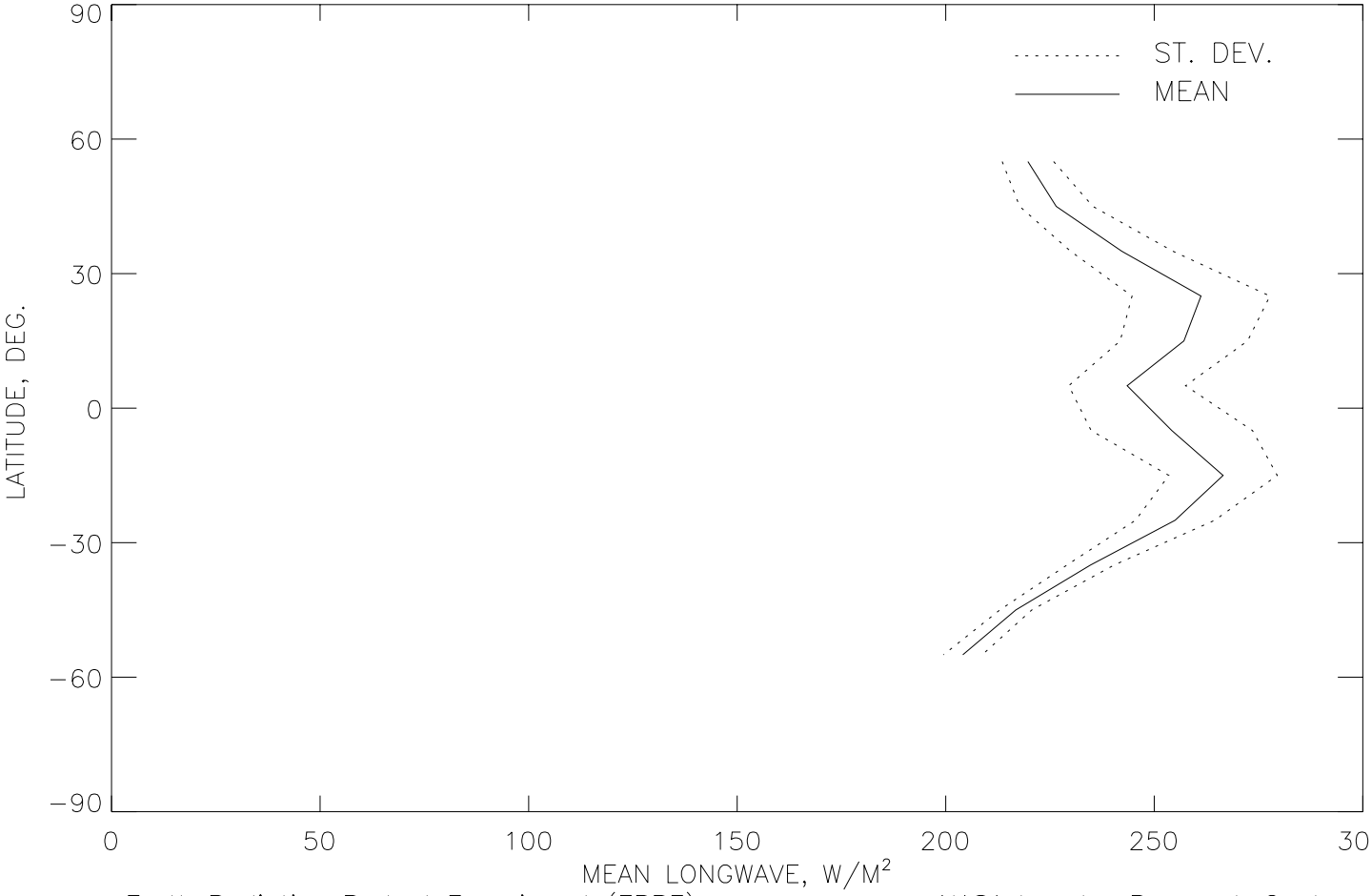


LAT 90S TO 90N WTD MEAN= 255.9 SD= 16.2 MAX= 352.31
LAT 0 TO 90N WTD MEAN= 339.9 SD= 21.4 LAT= 25.00
LAT 0 TO 50N WTD MEAN= 339.9 SD= 21.4
LAT 90S TO 0 WTD MEAN= 193.5 SD= 11.0 MIN= 46.51
LAT 50S TO 0 WTD MEAN= 212.7 SD= 11.6 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 270.7 SD= 16.8

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, MAY 95, HGMA, PRC–03–19–01

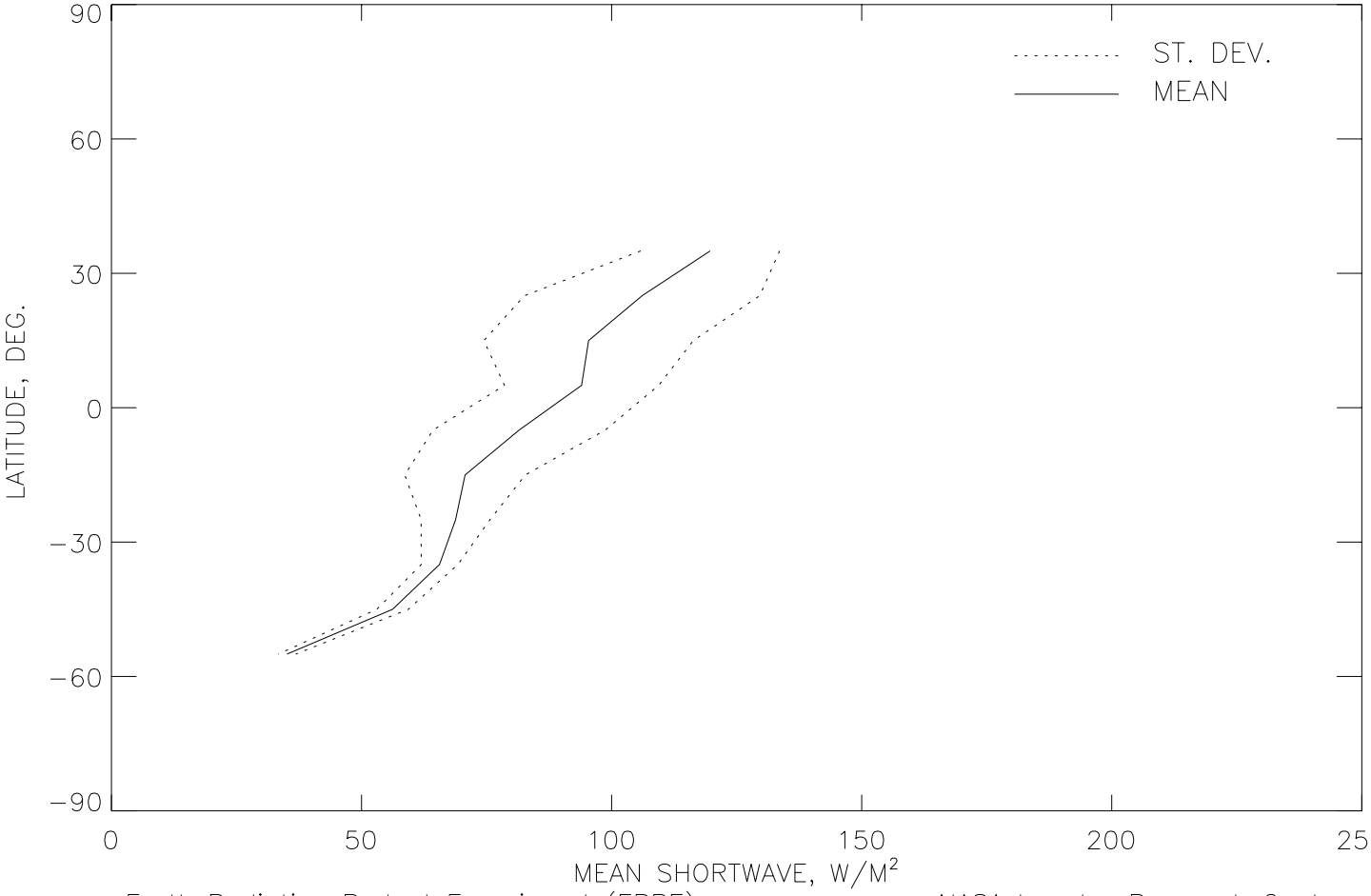


LAT 90S TO 90N	WTD MEAN= 243.2	SD= 12.4	MAX= 266.50				
LAT 0 TO 90N	WTD MEAN= 244.0	SD= 13.2	LAT= −15.00				
LAT 0 TO 50N	WTD MEAN= 247.2	SD= 13.9					
LAT 90S TO 0	WTD MEAN= 242.4	SD= 11.6	MIN= 204.10				
LAT 50S TO 0	WTD MEAN= 247.4	SD= 12.2	LAT= −55.00				
LAT 50S TO 50N	WTD MEAN= 247.3	SD= 13.1					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, MAY 95, HGMA, PRC–03–19–01

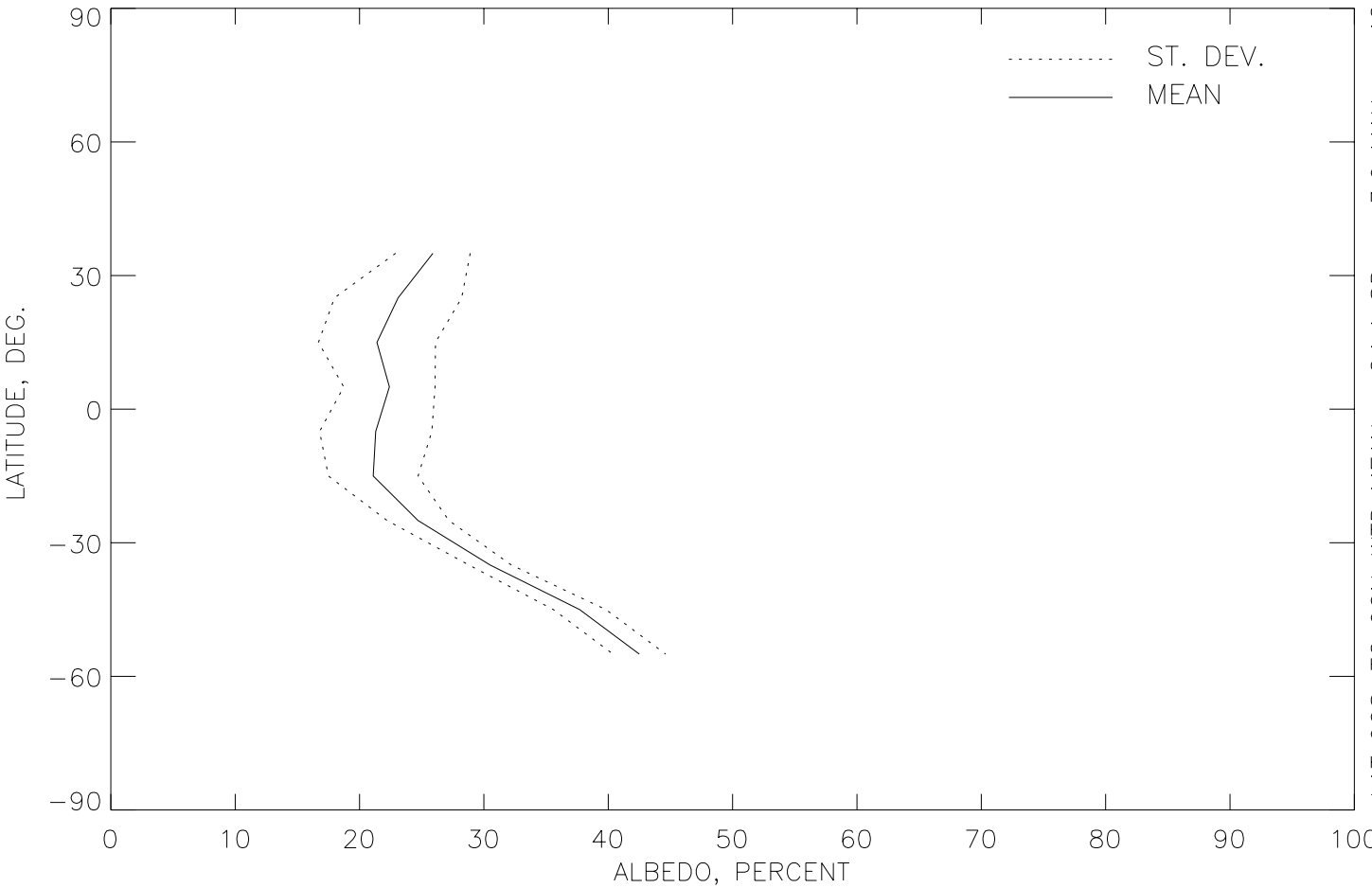


LAT 90S	TO 90N	WTD MEAN=	81.5	SD=	14.5	MAX=	119.70
LAT 0	TO 90N	WTD MEAN=	103.0	SD=	18.9	LAT=	35.00
LAT 0	TO 50N	WTD MEAN=	103.0	SD=	18.9		
LAT 90S	TO 0	WTD MEAN=	65.5	SD=	10.0	MIN=	35.10
LAT 50S	TO 0	WTD MEAN=	69.5	SD=	10.6	LAT=	−55.00
LAT 50S	TO 50N	WTD MEAN=	84.8	SD=	15.0		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, MAY 95, HGMA, PRC–03–19–01

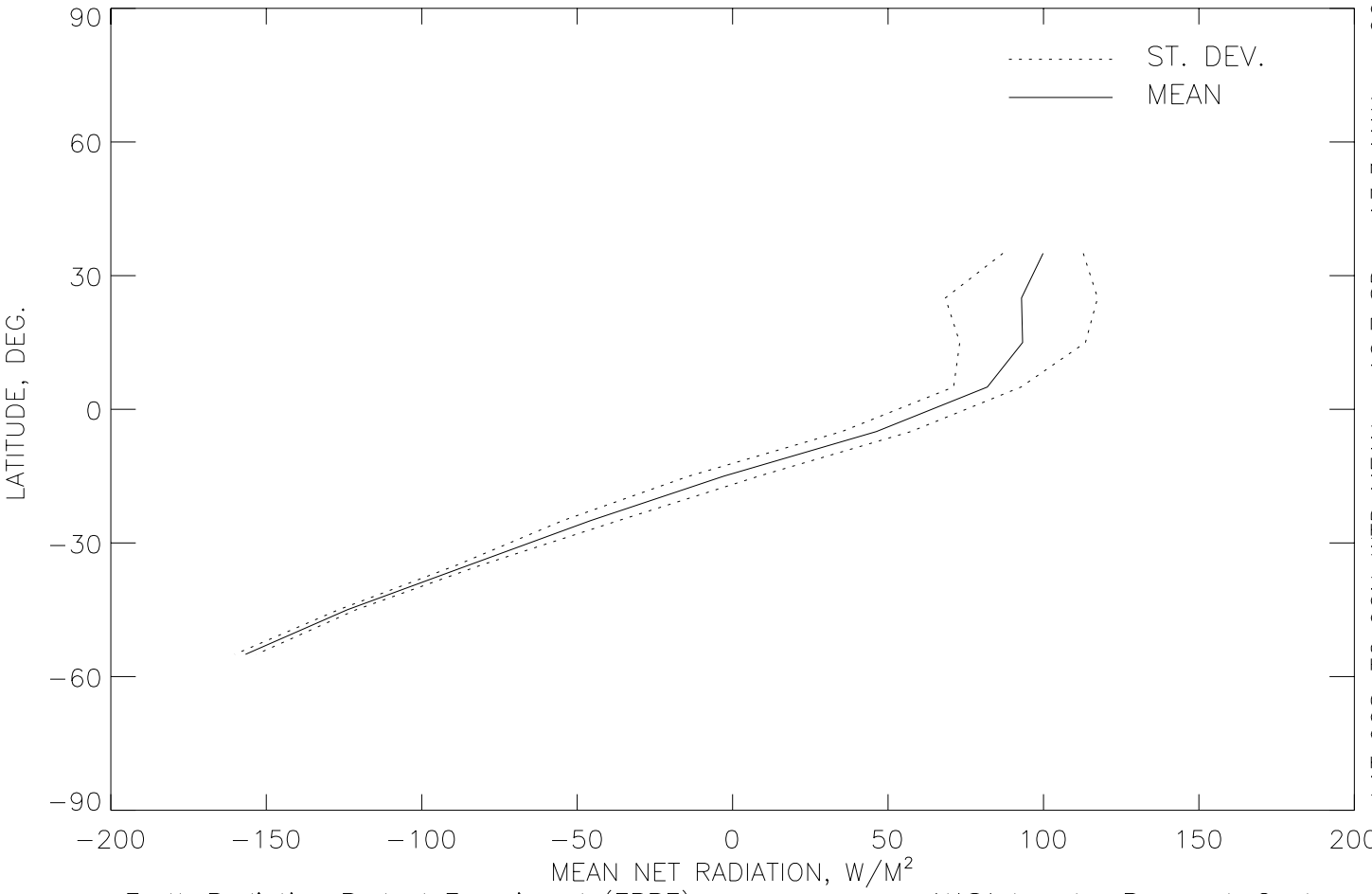


LAT 90S TO 90N	WTD MEAN= 24.1	SD= 3.9	MAX= 42.50			
LAT 0 TO 90N	WTD MEAN= 23.1	SD= 4.2	LAT= −55.00			
LAT 0 TO 50N	WTD MEAN= 23.1	SD= 4.2				
LAT 90S TO 0	WTD MEAN= 25.3	SD= 3.4	MIN= 21.10			
LAT 50S TO 0	WTD MEAN= 24.6	SD= 3.4	LAT= −15.00			
LAT 50S TO 50N	WTD MEAN= 23.8	SD= 3.9				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, NET, MAY 95, HGMA, PRC–03–19–01

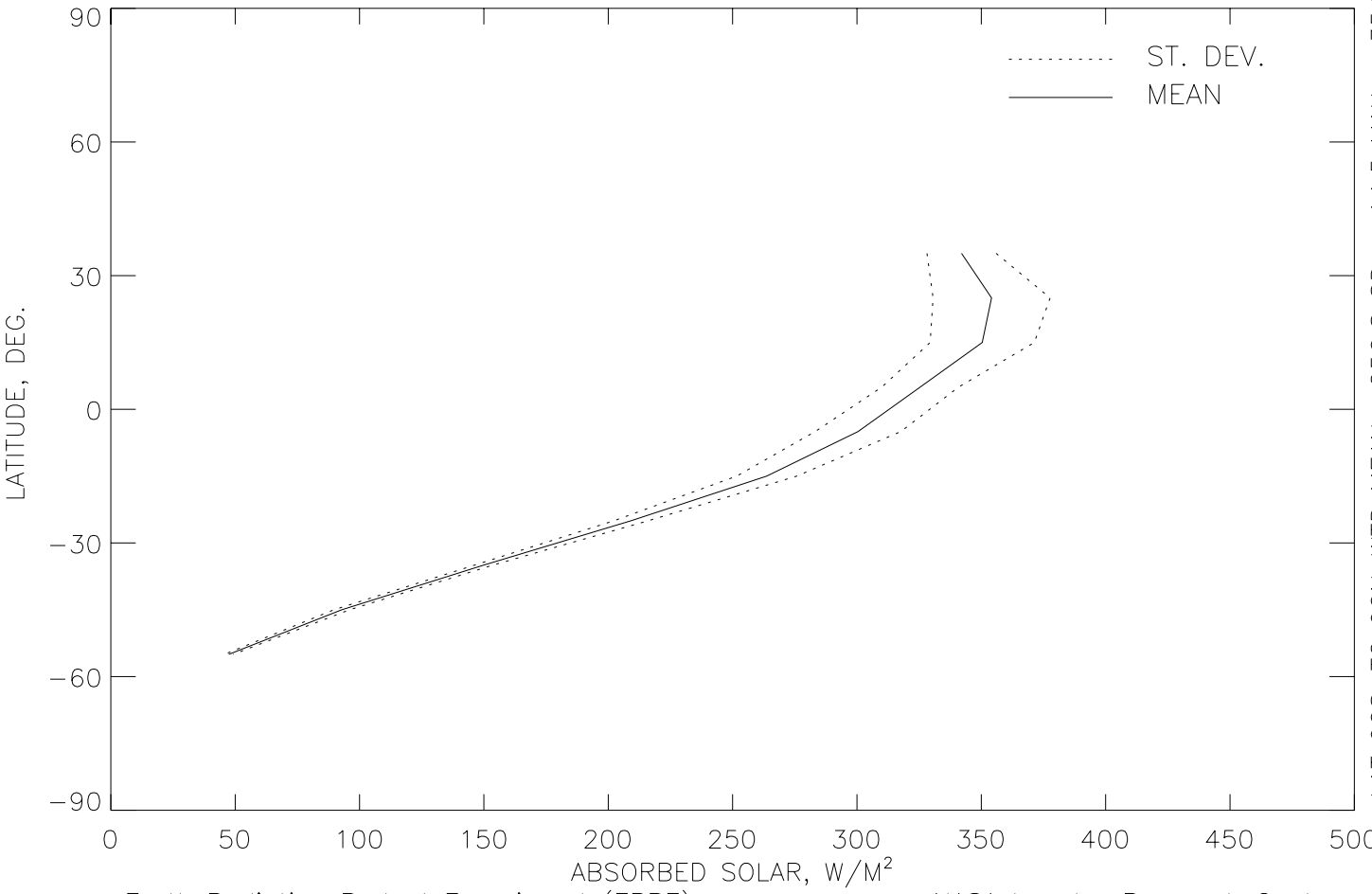


LAT 90S TO 90N WTD MEAN= 10.7 SD= 13.3 MAX= 99.87
LAT 0 TO 90N WTD MEAN= 91.6 SD= 18.0 LAT= 35.00
LAT 0 TO 50N WTD MEAN= 91.6 SD= 18.0
LAT 90S TO 0 WTD MEAN= −49.4 SD= 8.3 MIN= −156.68
LAT 50S TO 0 WTD MEAN= −35.4 SD= 8.7 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 22.6 SD= 13.8

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, MAY 95, HGMA, PRC–03–19–01



LAT 90S TO 90N WTD MEAN= 256.8 SD= 14.5 MAX= 354.13
LAT 0 TO 90N WTD MEAN= 342.7 SD= 18.9 LAT= 25.00
LAT 0 TO 50N WTD MEAN= 342.7 SD= 18.9
LAT 90S TO 0 WTD MEAN= 193.1 SD= 10.0 MIN= 47.42
LAT 50S TO 0 WTD MEAN= 212.1 SD= 10.6 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 271.7 SD= 15.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center