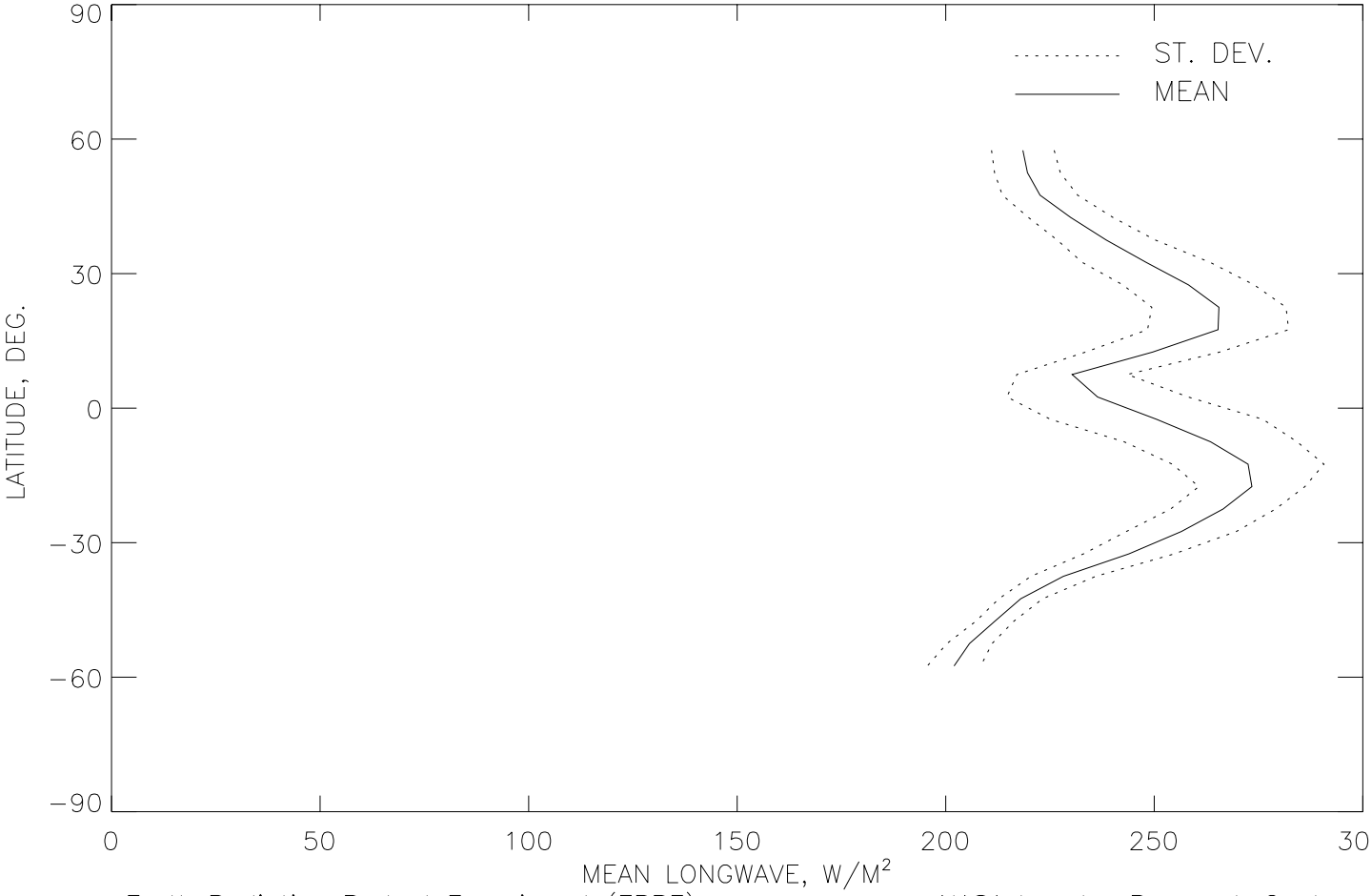
LONGWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N	WTD MEAN= 243.9	SD= 14.6	MAX= 273.40					
LAT 0 TO 90N	WTD MEAN= 242.3	SD= 14.7	LAT= –17.50					
LAT 0 TO 50N	WTD MEAN= 245.3	SD= 15.3						
LAT 90S TO 0	WTD MEAN= 245.4	SD= 14.5	MIN= 202.00					
LAT 50S TO 0	WTD MEAN= 250.8	SD= 15.2	LAT= –57.50					
LAT 50S TO 50N	WTD MEAN= 248.1	SD= 15.3						

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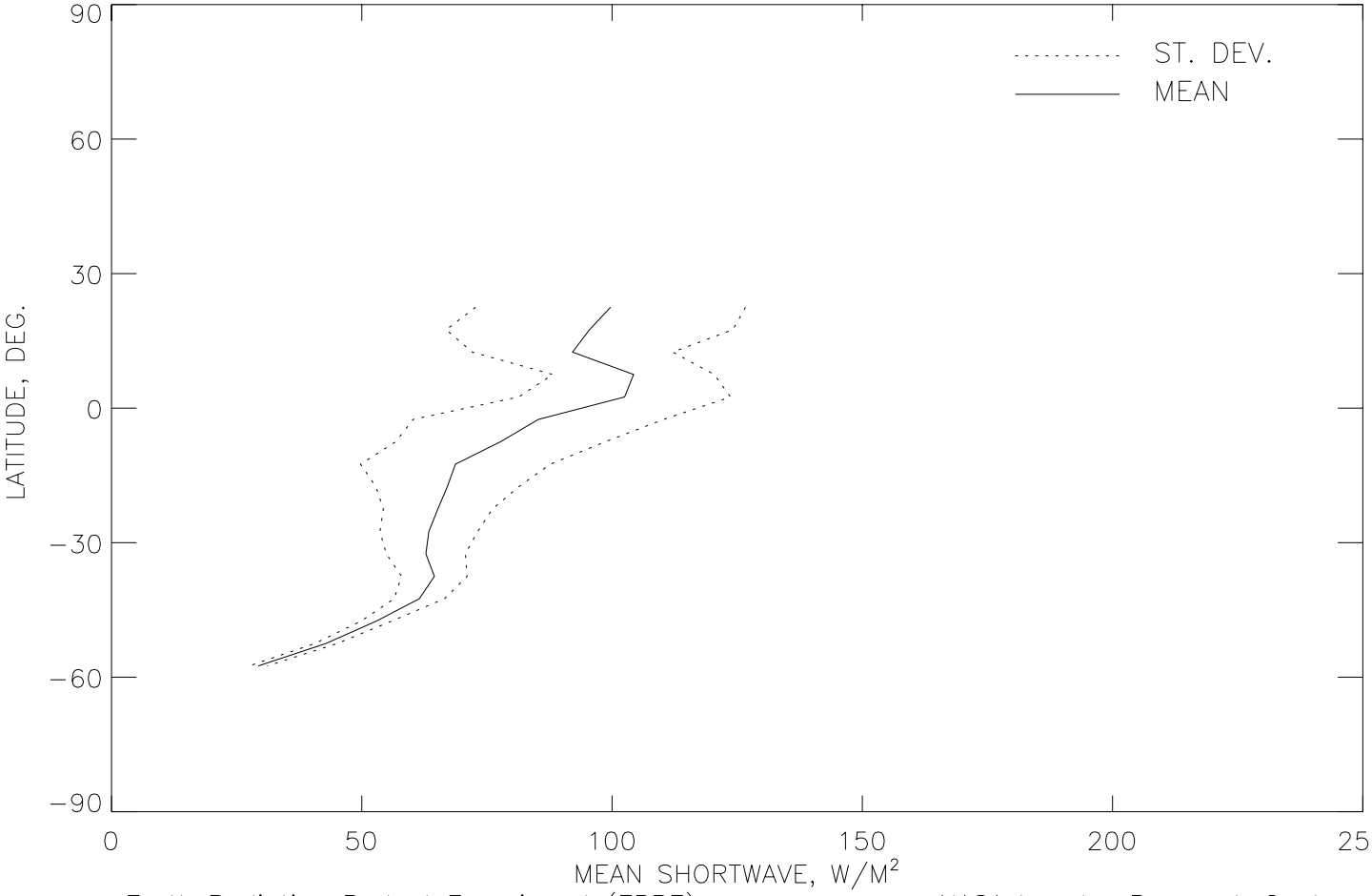
SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N	WTD MEAN=	76.1	SD=	17.0	MAX=	104.30
LAT 0 TO 90N	WTD MEAN=	96.7	SD=	21.2	LAT=	7.50
LAT 0 TO 50N	WTD MEAN=	96.7	SD=	21.2		
LAT 90S TO 0	WTD MEAN=	64.1	SD=	13.9	MIN=	29.30
LAT 50S TO 0	WTD MEAN=	67.8	SD=	14.8	LAT=	−57.50
LAT 50S TO 50N	WTD MEAN=	79.2	SD=	17.6		

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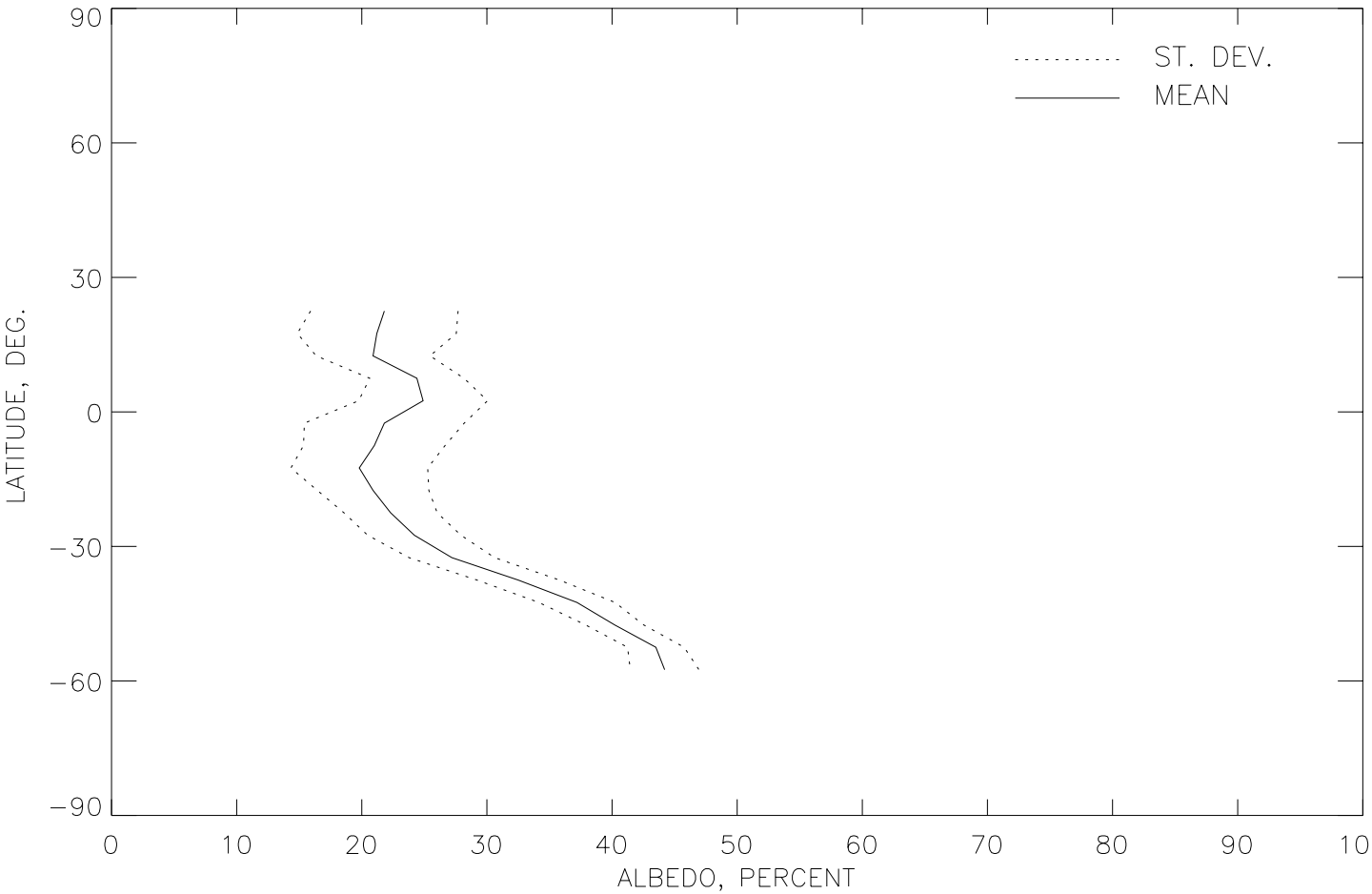
ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, MAY 94, HGMA, PRC–03–14–01

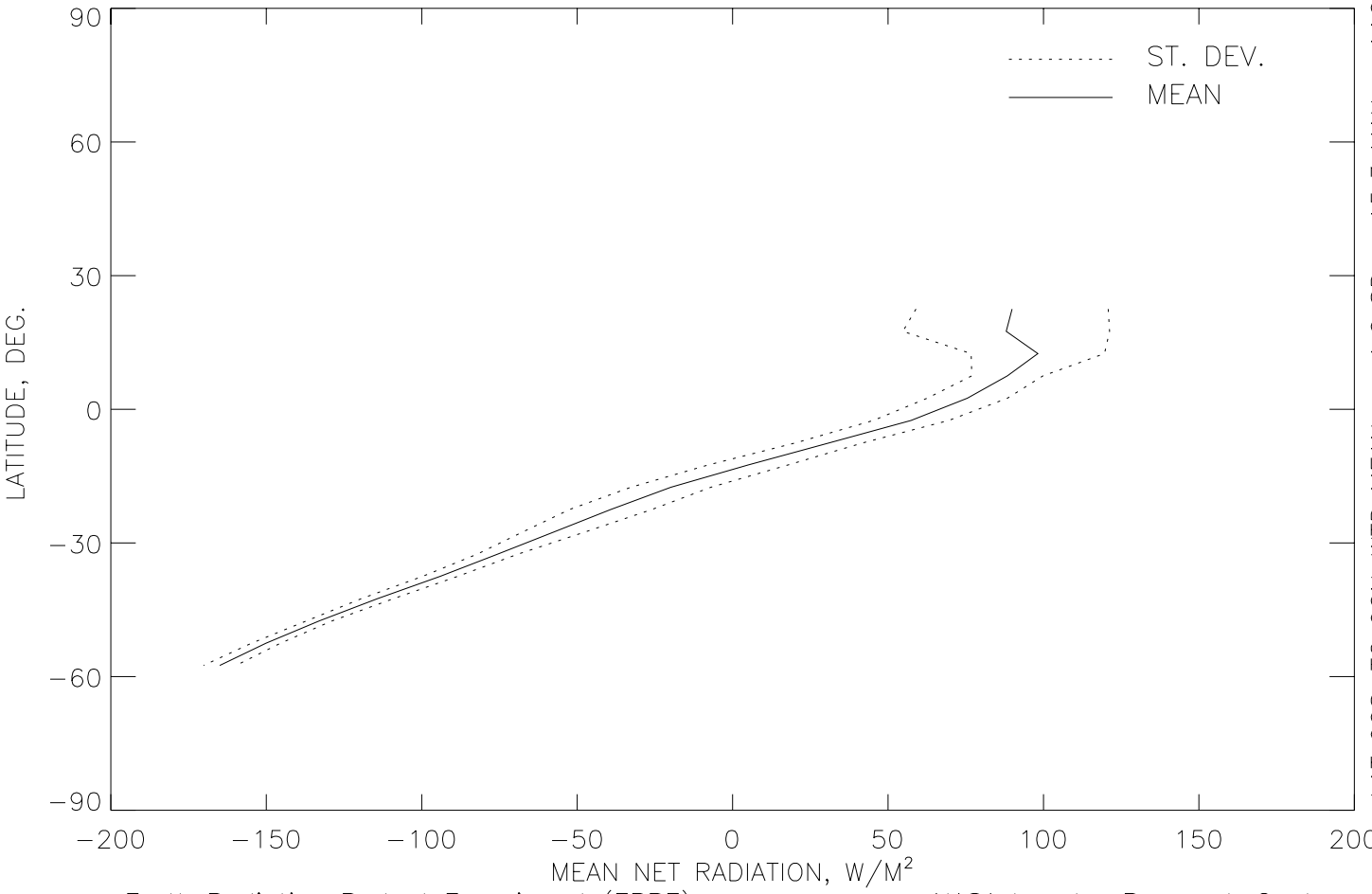


LAT 90S TO 90N WTD MEAN= 23.4 SD= 4.8 MAX= 44.20
LAT 0 TO 90N WTD MEAN= 21.9 SD= 4.8 LAT= −57.50
LAT 0 TO 50N WTD MEAN= 21.9 SD= 4.8
LAT 90S TO 0 WTD MEAN= 24.8 SD= 4.7 MIN= 18.30
LAT 50S TO 0 WTD MEAN= 24.1 SD= 4.8 LAT= 27.50
LAT 50S TO 50N WTD MEAN= 23.0 SD= 4.8

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N WTD MEAN= 1.6 SD= 15.3 MAX= 116.95
LAT 0 TO 90N WTD MEAN= 92.4 SD= 21.7 LAT= 27.50
LAT 0 TO 50N WTD MEAN= 92.4 SD= 21.7
LAT 90S TO 0 WTD MEAN= −50.9 SD= 9.8 MIN= −164.97
LAT 50S TO 0 WTD MEAN= −37.0 SD= 10.3 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 14.1 SD= 15.8

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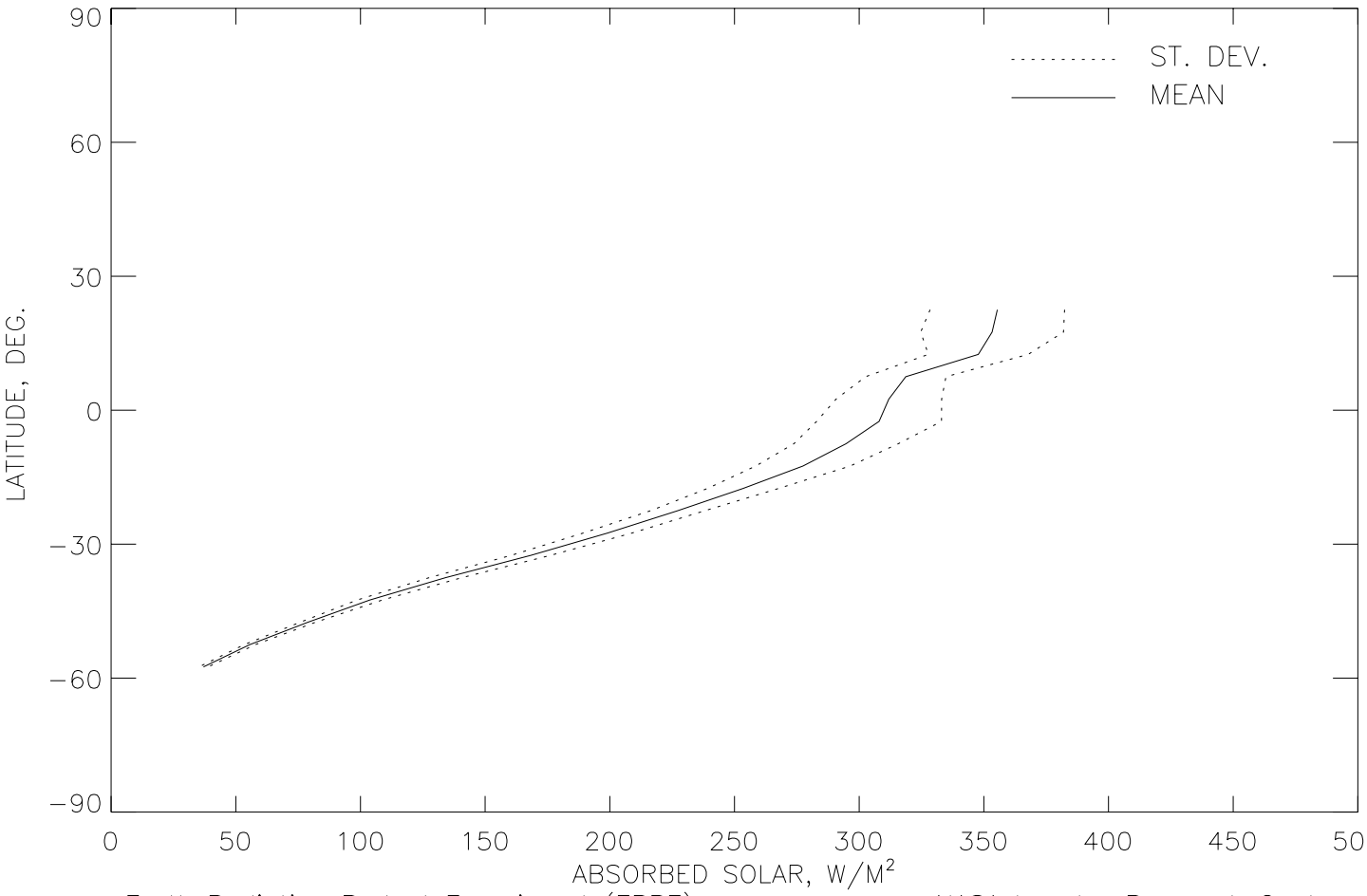
ABSORBED SOLAR

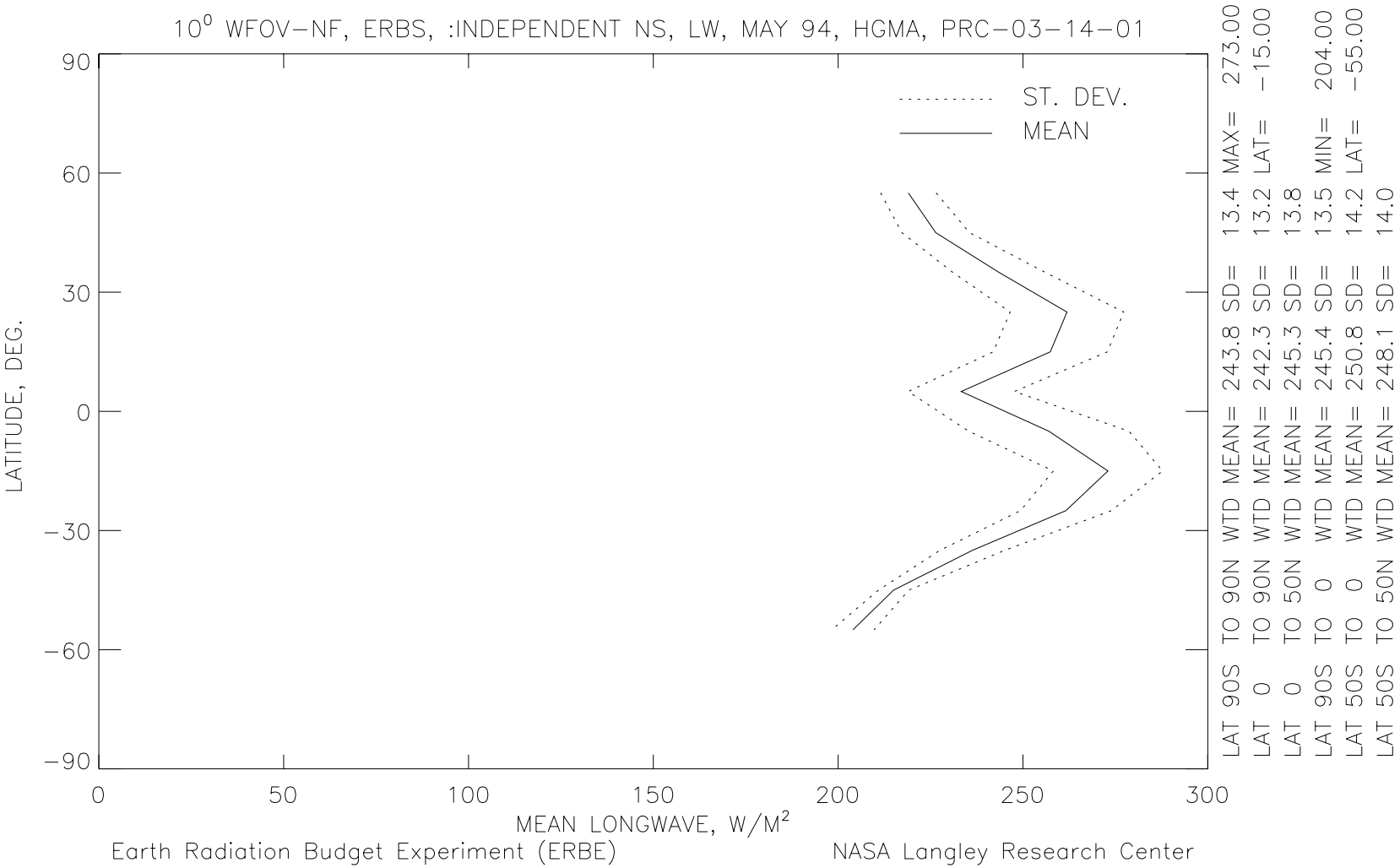
5° WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N	WTD MEAN= 248.8	SD= 16.9	MAX= 375.15				
LAT 0 TO 90N	WTD MEAN= 342.9	SD= 21.2	LAT= 27.50				
LAT 0 TO 50N	WTD MEAN= 342.9	SD= 21.2					
LAT 90S TO 0	WTD MEAN= 194.5	SD= 13.9	MIN= 37.03				
LAT 50S TO 0	WTD MEAN= 213.8	SD= 14.8	LAT= −57.50				
LAT 50S TO 50N	WTD MEAN= 264.8	SD= 17.6					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

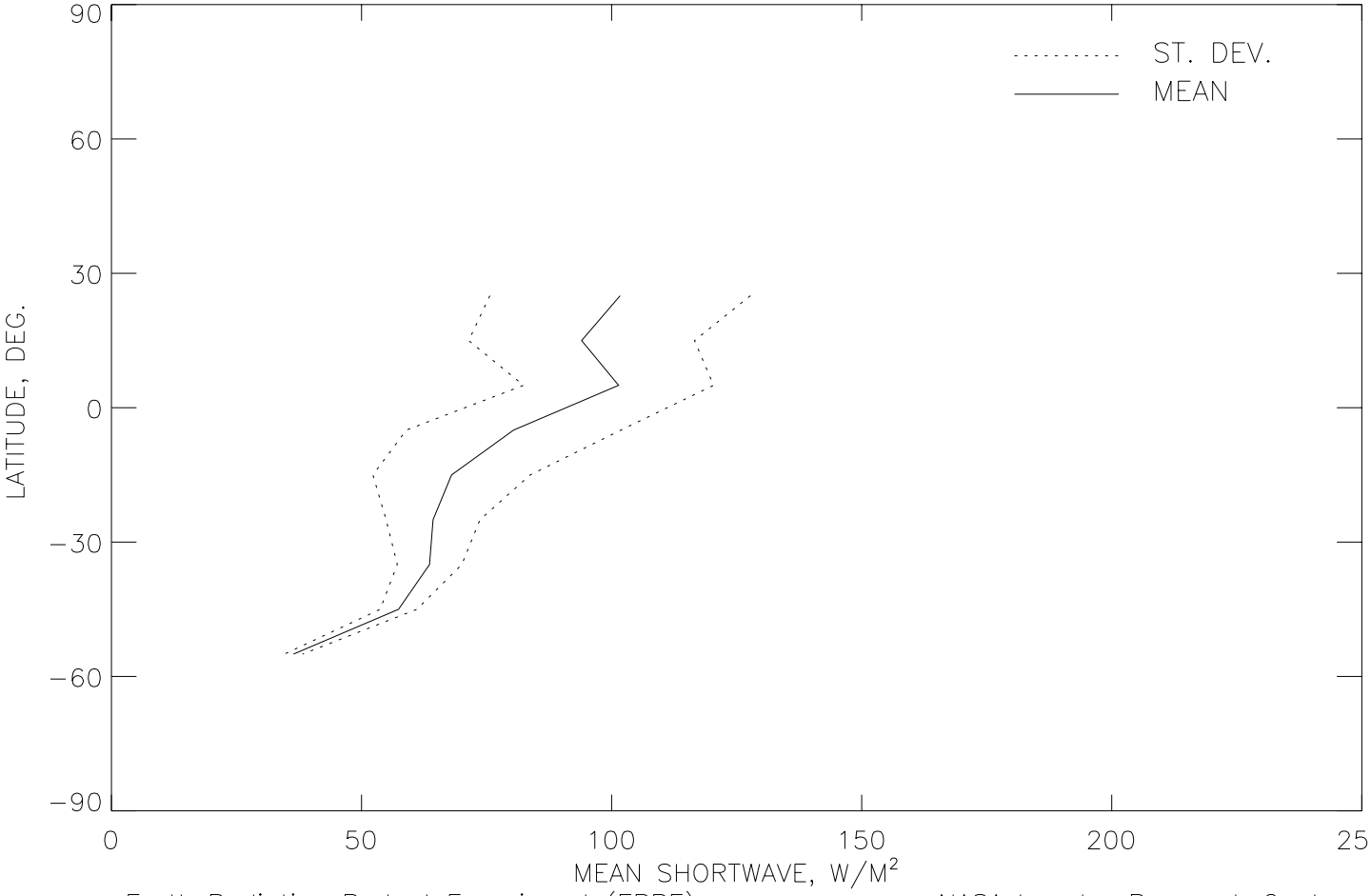
LONGWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, MAY 94, HGMA, PRC–03–14–01



LAT 90S	TO 90N	WTD MEAN=	76.8	SD=	17.1	MAX=	101.70
LAT 0	TO 90N	WTD MEAN=	99.0	SD=	22.6	LAT=	25.00
LAT 0	TO 50N	WTD MEAN=	99.0	SD=	22.6		
LAT 90S	TO 0	WTD MEAN=	63.9	SD=	12.9	MIN=	36.40
LAT 50S	TO 0	WTD MEAN=	67.5	SD=	13.7	LAT=	−55.00
LAT 50S	TO 50N	WTD MEAN=	80.0	SD=	17.7		

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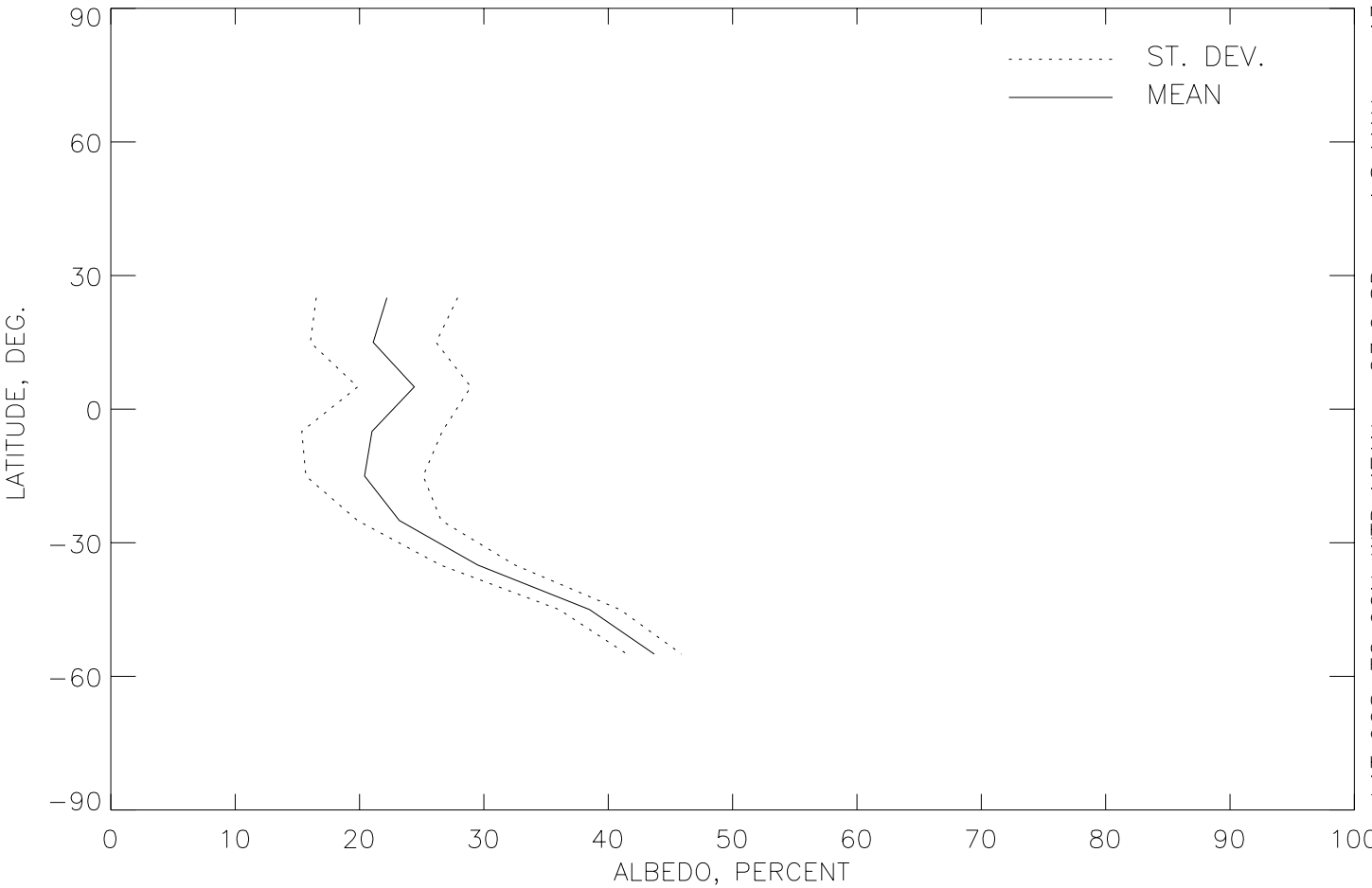
ALBEDO

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, MAY 94, HGMA, PRC–03–14–01

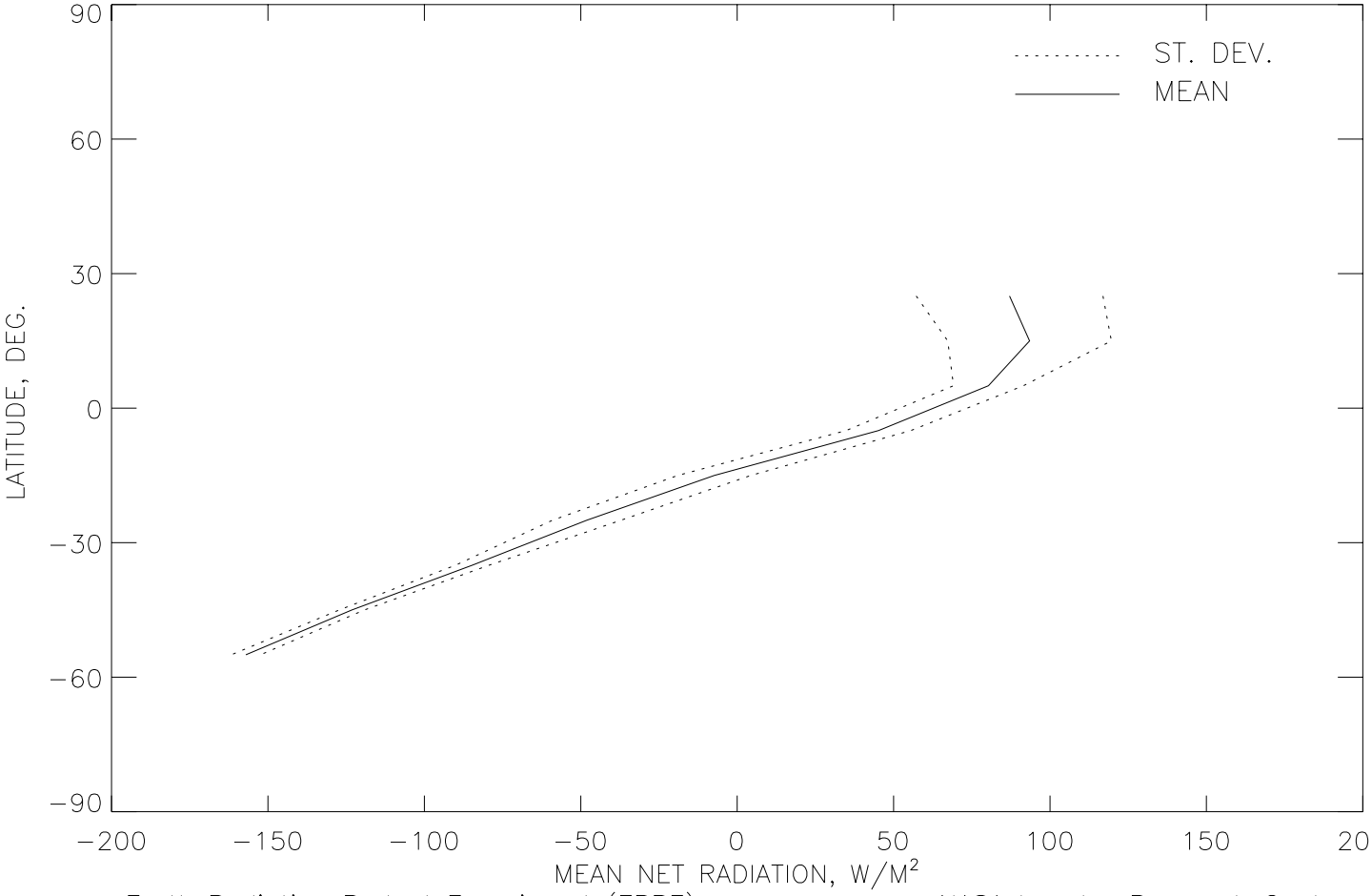


LAT 90S TO 90N	WTD MEAN=	23.6	SD=	4.8	MAX=	43.70
LAT 0 TO 90N	WTD MEAN=	22.5	SD=	5.1	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	22.5	SD=	5.1		
LAT 90S TO 0	WTD MEAN=	24.7	SD=	4.4	MIN=	20.40
LAT 50S TO 0	WTD MEAN=	24.0	SD=	4.4	LAT=	−15.00
LAT 50S TO 50N	WTD MEAN=	23.3	SD=	4.8		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, MAY 94, HGMA, PRC–03–14–01

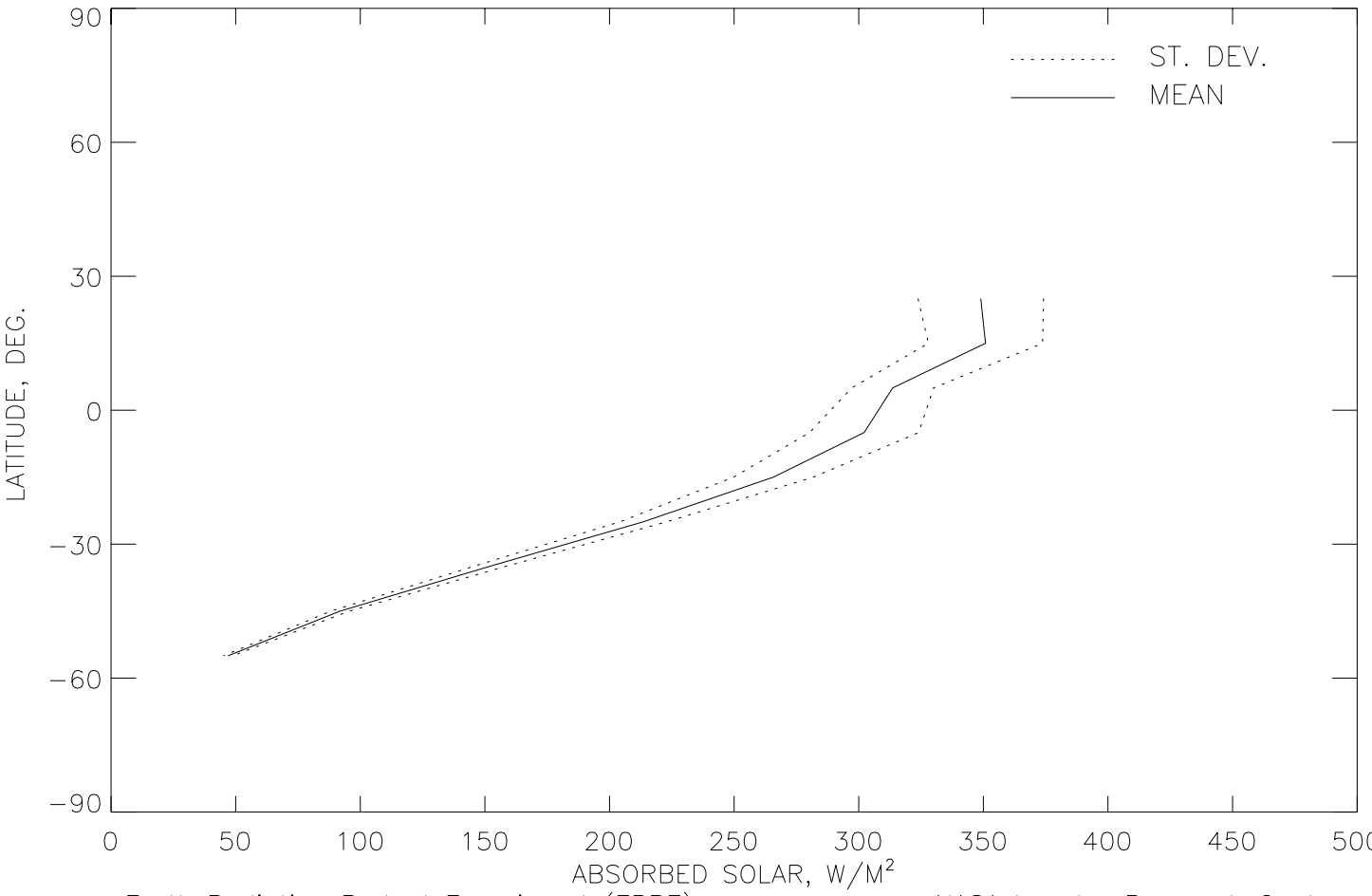


LAT 90S TO 90N	WTD MEAN= −0.4	SD= 15.9	MAX= 93.47				
LAT 0 TO 90N	WTD MEAN= 86.9	SD= 23.6	LAT= 15.00				
LAT 0 TO 50N	WTD MEAN= 86.9	SD= 23.6					
LAT 90S TO 0	WTD MEAN= −50.7	SD= 8.9	MIN= −157.06				
LAT 50S TO 0	WTD MEAN= −36.9	SD= 9.3	LAT= −55.00				
LAT 50S TO 50N	WTD MEAN= 12.0	SD= 16.5					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, MAY 94, HGMA, PRC–03–14–01

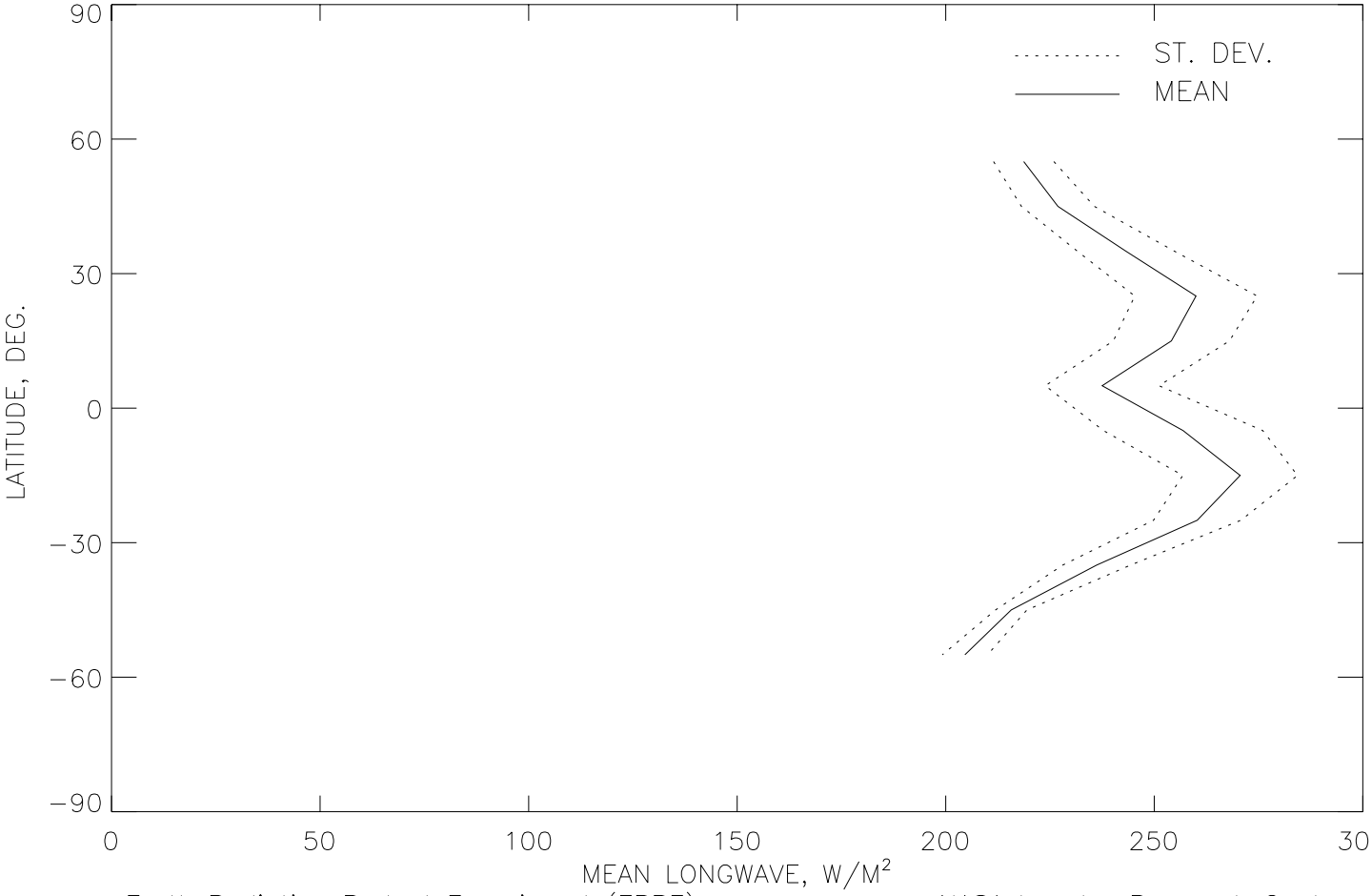


LAT 90S TO 90N WTD MEAN= 246.9 SD= 16.8 MAX= 350.87
LAT 0 TO 90N WTD MEAN= 337.3 SD= 21.7 LAT= 15.00
LAT 0 TO 50N WTD MEAN= 337.3 SD= 21.7
LAT 90S TO 0 WTD MEAN= 194.7 SD= 13.1 MIN= 46.94
LAT 50S TO 0 WTD MEAN= 214.0 SD= 13.9 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 262.7 SD= 17.4

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

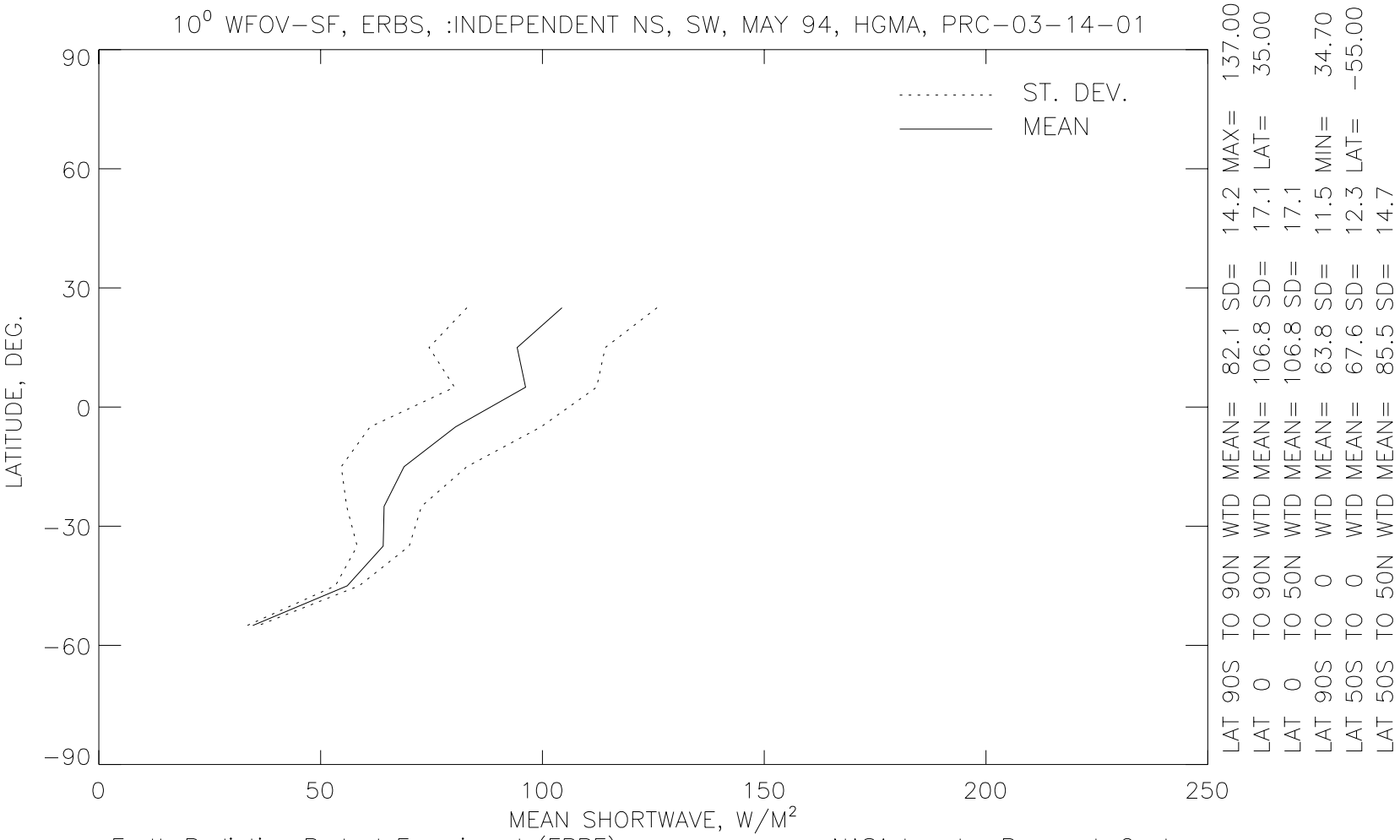
10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N	WTD MEAN= 243.5	SD= 12.2	MAX= 270.60				
LAT 0 TO 90N	WTD MEAN= 242.1	SD= 12.4	LAT= −15.00				
LAT 0 TO 50N	WTD MEAN= 245.1	SD= 12.9					
LAT 90S TO 0	WTD MEAN= 244.9	SD= 12.1	MIN= 204.60				
LAT 50S TO 0	WTD MEAN= 250.1	SD= 12.7	LAT= −55.00				
LAT 50S TO 50N	WTD MEAN= 247.6	SD= 12.8					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

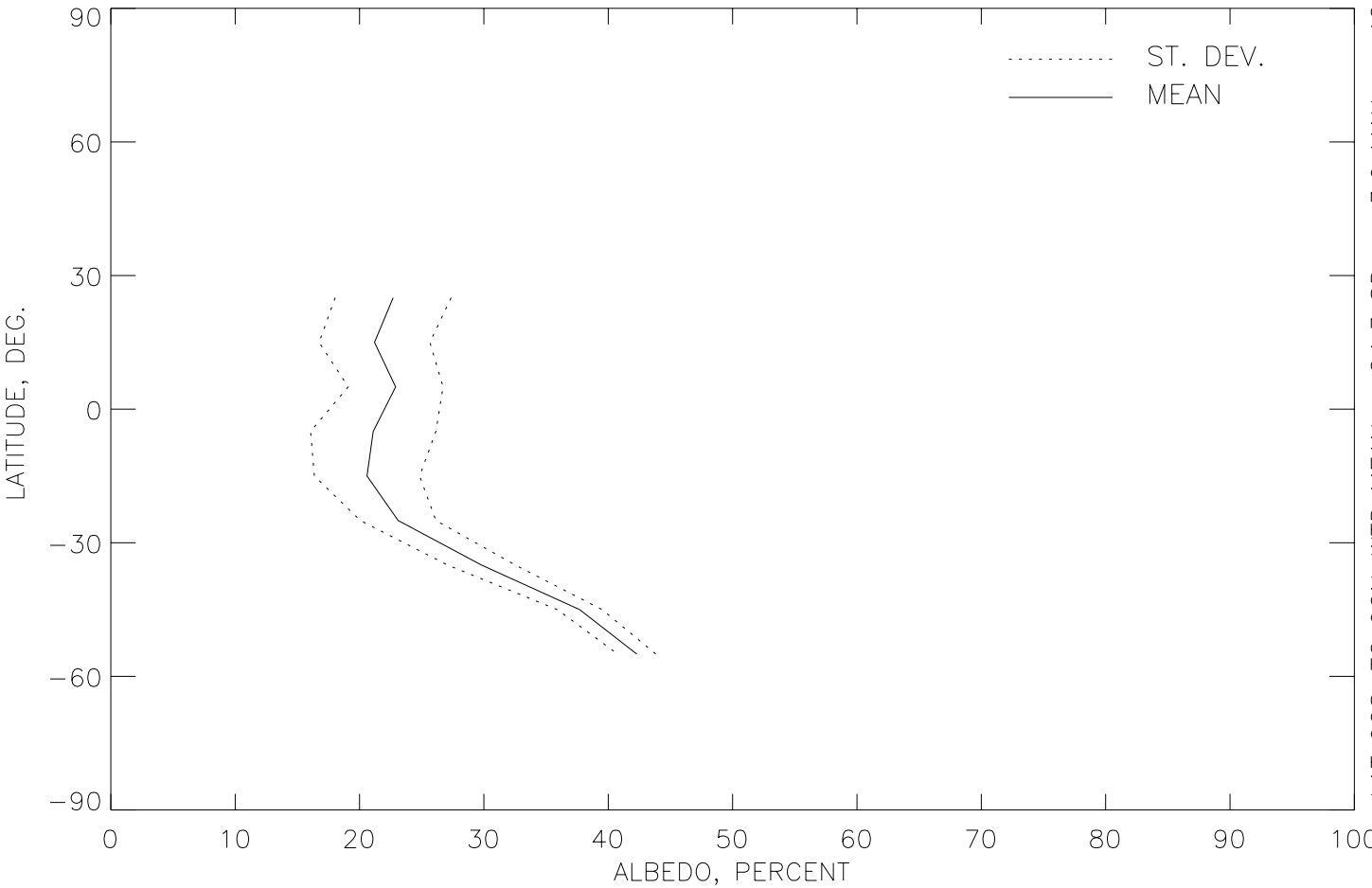
SHORTWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

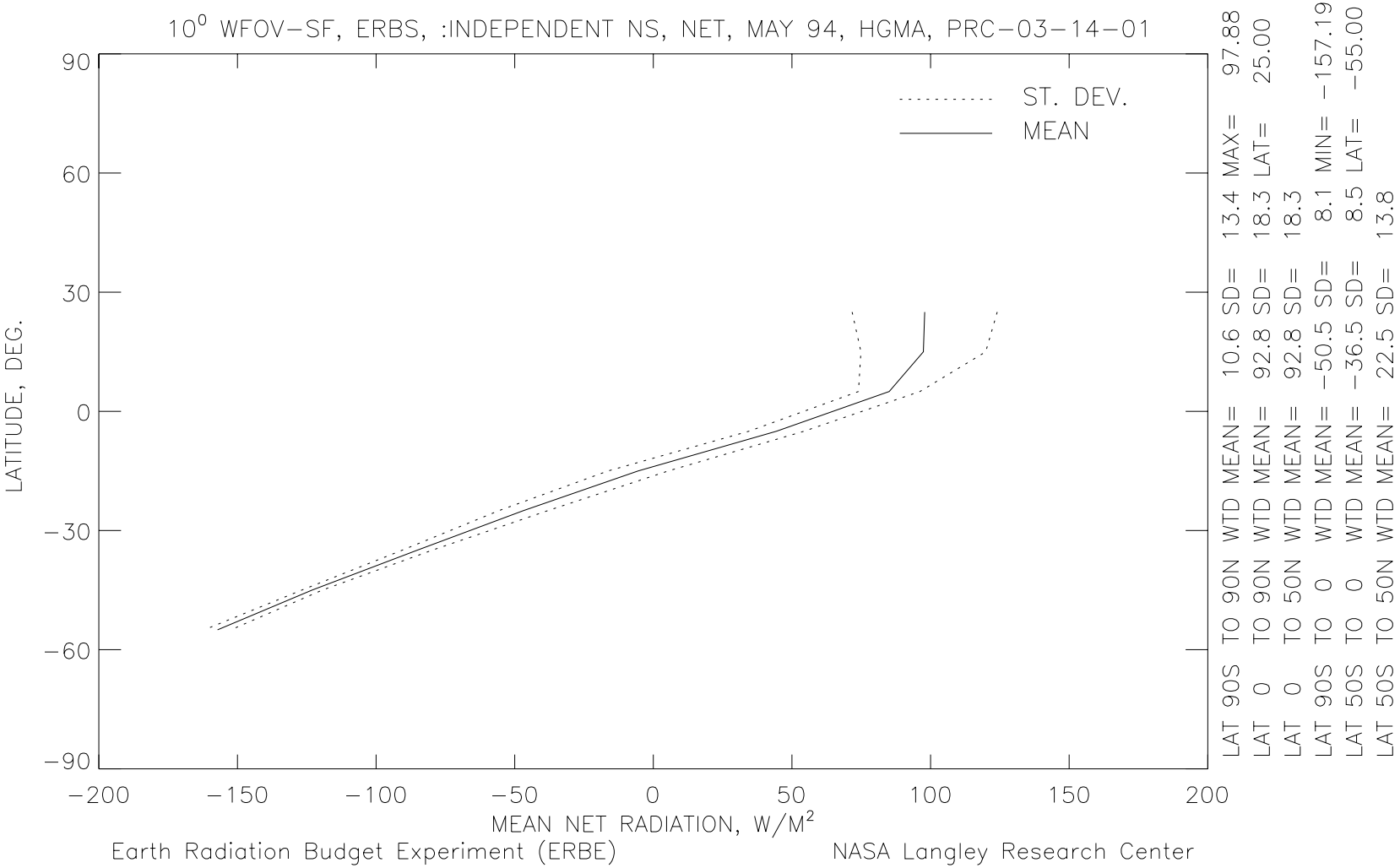
10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N	WTD MEAN= 24.3	SD= 3.9	MAX= 42.30			
LAT 0 TO 90N	WTD MEAN= 24.0	SD= 3.8	LAT= −55.00			
LAT 0 TO 50N	WTD MEAN= 24.0	SD= 3.8				
LAT 90S TO 0	WTD MEAN= 24.7	SD= 3.9	MIN= 20.60			
LAT 50S TO 0	WTD MEAN= 24.0	SD= 4.0	LAT= −15.00			
LAT 50S TO 50N	WTD MEAN= 24.0	SD= 3.9				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

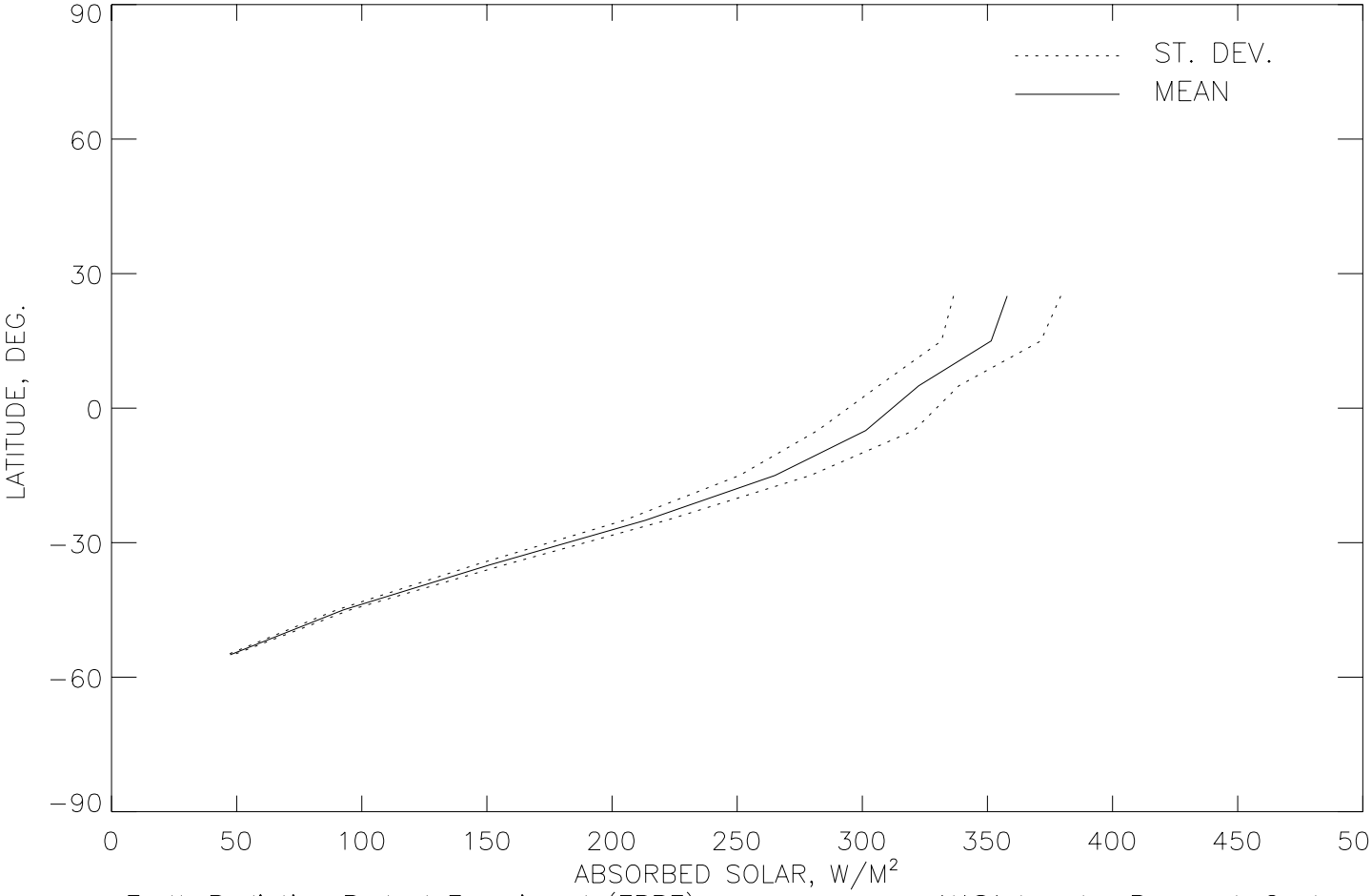
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, MAY 94, HGMA, PRC–03–14–01



LAT 90S TO 90N WTD MEAN= 257.1 SD= 14.2 MAX= 357.88
LAT 0 TO 90N WTD MEAN= 341.4 SD= 17.0 LAT= 25.00
LAT 0 TO 50N WTD MEAN= 341.4 SD= 17.0
LAT 90S TO 0 WTD MEAN= 194.4 SD= 11.5 MIN= 47.41
LAT 50S TO 0 WTD MEAN= 213.6 SD= 12.3 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 271.9 SD= 14.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center