

DIGITAL NUMBER TO RADIANCE CALIBRATION  
CONSTANTS FOR ACRES LANDSAT  
MULTISPECTRAL SCANNER DATA

# DIGITAL NUMBER TO RADIANCE CALIBRATION CONSTANTS FOR ACRES LANDSAT MULTISPECTRAL SCANNER DATA

Conversion constants for satellite digital number to radiance value in Watts x 10<sup>-3</sup>/cm<sup>2</sup> steradian is shown for each of the Landsat spacecraft in the following tables:

## MULTISPECTRAL SCANNER

### LANDSAT 1

<b>BAND</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<i>RMIN</i>				
CAL 2	0.00	0.00	0.00	0.00
CAL 3	0.00	0.00	0.00	0.00
<i>RMAX</i>				
CAL 2	2.48	2.00	1.76	4.00
CAL 3	3.00	2.00	1.75	4.00

### LANDSAT 2

<b>BAND</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<i>RMIN</i>				
CAL 2	0.08	0.06	0.06	0.11
CAL 3	0.00	0.00	0.00	0.00
<i>RMAX</i>				
CAL 2	2.63	1.76	1.52	3.91
CAL 3	3.00	2.00	1.75	4.00

### LANDSAT 3

<b>BAND</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<i>RMIN</i>				
CAL 2	0.04	0.03	0.03	0.03
CAL 3	0.00	0.00	0.00	0.00
<i>RMAX</i>				
CAL 2	2.50	2.00	1.65	4.50
CAL 3	2.50	2.00	1.75	4.00

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**LANDSAT 4**

<b>BAND</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<i>RMIN</i>				
CAL 2	0.04	0.04	0.05	0.12
CAL 3	0.00	0.00	0.00	0.00
<i>RMAX</i>				
CAL 2	2.38	1.64	1.42	3.49
CAL 3	2.50	2.00	1.75	4.00

**LANDSAT 5**

<b>BAND</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<i>RMIN</i>				
CAL 2	0.04	0.03	0.04	0.06
CAL 3	0.00	0.00	0.00	0.00
<i>RMAX</i>				
CAL 2	2.40	1.70	1.50	3.80
CAL 3	2.50	2.00	1.75	4.00

Note: Normally CAL 2 was used by ACRES for MSS data products.