

### 旬別日照時間及び全天日射量(6、7月)

#### 1. 6月

70%以上90%未満

50%以上70%未満

50%未満

日照時間:時間 全天日射量(平均):MJ/㎡

	上旬						中旬						下旬						計					
	日照時間			全天日射量(平均)			日照時間			全天日射量(平均)			日照時間			全天日射量(平均)			日照時間			全天日射量(平均)		
	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比
札幌	28.5	62.5	46%	14.3	18.2	79%	30.1	59.4	51%	14.1	18.0	78%	74.5	65.3	114%	21.4	19.0	113%	133.1	187.2	71%	16.6	18.4	90%
青森	32.3	64.0	50%	15.0	18.6	81%	35.5	59.6	60%	17.7	18.2	97%	78.8	57.1	138%	21.5	18.2	118%	146.6	180.7	81%	18.1	18.3	99%
盛岡	42.0	57.8	73%	17.3	17.4	99%	46.3	51.3	90%	17.2	16.6	104%	69.1	42.6	162%	18.2	15.2	120%	157.4	151.7	104%	17.6	16.4	107%
仙台	38.1	54.1	70%	15.6	16.5	95%	21.3	43.1	49%	12.1	14.7	82%	59.1	30.9	191%	16.3	12.4	131%	118.5	128.1	93%	14.7	14.5	101%
秋田	33.2	65.6	51%	15.1	18.8	80%	76.6	59.5	129%	22.8	17.7	129%	65.2	53.1	123%	19.0	16.8	113%	175.0	178.2	98%	19.0	17.8	107%
山形	40.8	62.2	66%	16.8	18.4	91%	42.0	52.3	80%	16.6	17.1	97%	69.6	39.3	177%	19.5	15.0	130%	152.4	153.8	99%	17.6	16.8	105%
福島	47.2	54.6	86%	17.5	17.0	103%	31.9	43.6	73%	14.4	15.1	95%	59.4	32.0	186%	17.2	12.9	133%	138.5	130.2	106%	16.4	15.0	109%
つくば	28.5	49.7	57%	14.1	17.5	81%	31.0	38.1	81%	15.9	15.2	105%	35.5	26.7	133%	13.8	13.2	105%	95.0	114.5	83%	14.6	15.3	95%
宇都宮	29.5	48.2	61%	13.9	15.7	89%	23.6	38.9	61%	13.0	14.0	93%	39.7	25.2	158%	14.9	11.6	128%	92.8	112.3	83%	13.9	13.8	101%
前橋	41.5	52.2	80%	16.0	16.1	99%	42.2	40.9	103%	15.5	14.1	110%	45.9	26.3	175%	16.2	11.5	141%	129.6	119.4	109%	15.9	13.9	114%
熊谷	30.8	52.3	59%	10.5	18.7	56%	39.4	39.9	99%	15.0	16.6	90%	40.6	26.3	154%	14.7	15.2	97%	110.8	118.5	94%	13.4	16.8	80%
千葉	29.8	57.3	52%	14.7	17.8	83%	31.3	42.5	74%	15.6	15.2	103%	22.3	33.7	66%	12.1	13.8	88%	83.4	133.5	62%	14.1	15.6	91%
東京	27.5	52.7	52%	12.8	15.6	82%	35.8	39.9	90%	14.8	13.4	110%	35.5	28.0	127%	12.5	11.2	112%	98.8	120.6	82%	13.4	13.4	100%
横浜	29.4	55.6	53%	11.4	18.4	62%	43.9	41.7	105%	15.8	16.8	94%	30.2	30.1	100%	12.1	15.7	77%	103.5	127.4	81%	13.1	17.0	77%
新潟	45.0	65.4	69%	18.3	18.4	99%	61.6	60.3	102%	18.8	17.9	105%	76.7	42.4	181%	20.2	14.9	136%	183.3	168.1	109%	19.1	17.1	112%
富山	41.9	61.4	68%	16.4	18.0	91%	54.3	52.6	103%	17.4	16.8	104%	73.4	33.7	218%	20.5	13.5	152%	169.6	147.7	115%	18.1	16.1	112%
輪島	40.3	64.1	63%	16.3	18.5	88%	65.0	55.1	118%	20.6	17.4	118%	74.8	38.1	196%	20.1	14.4	140%	180.1	157.3	114%	19.0	16.8	113%
福井	30.5	59.0	52%	15.4	17.6	88%	76.4	48.4	158%	22.3	16.2	138%	62.5	33.0	189%	18.9	13.5	140%	169.4	140.4	121%	18.9	15.8	120%
甲府	45.8	58.5	78%	17.9	18.1	99%	65.7	48.6	135%	21.2	16.7	127%	42.2	34.5	122%	15.9	14.5	110%	153.7	141.6	109%	18.3	16.4	112%
長野	49.9	63.5	79%	19.0	19.6	97%	63.9	55.7	115%	21.3	18.0	118%	66.1	39.6	167%	20.3	16.8	121%	179.9	158.8	113%	20.2	18.1	111%
岐阜	53.2	62.6	85%	15.5	21.1	73%	80.9	52.7	154%	19.4	19.9	97%	48.3	41.6	116%	21.0	18.1	116%	182.4	156.9	116%	18.6	19.7	95%
静岡	38.0	52.6	72%	16.6	17.5	95%	60.8	42.4	143%	19.6	15.7	125%	29.3	32.8	89%	13.2	13.7	96%	128.1	127.8	100%	16.5	15.6	105%
名古屋	55.4	60.8	91%	18.1	17.6	103%	70.6	47.3	149%	20.8	15.5	134%	46.8	37.2	126%	16.1	13.5	119%	172.8	145.3	119%	18.3	15.5	118%
津	53.7	60.1	89%	13.4	20.0	67%	75.5	46.2	163%	22.1	18.5	119%	40.8	37.3	109%	19.1	16.5	116%	170.0	143.6	118%	18.2	18.3	99%
彦根	39.3	62.4	63%	15.7	17.7	89%	77.7	51.2	152%	21.8	16.2	135%	54.3	37.2	146%	17.3	13.9	124%	171.3	150.8	114%	18.3	15.9	115%
舞鶴	28.4	56.3	50%	11.9	17.2	69%	75.9	45.0	169%	20.8	15.3	136%	55.6	31.4	177%	17.8	13.1	136%	159.9	132.7	120%	16.8	15.2	111%
大阪	44.3	61.4	72%	16.6	16.8	99%	86.0	50.2	171%	23.8	15.4	155%	45.5	38.0	120%	17.2	13.5	127%	175.8	149.6	118%	19.2	15.2	126%
神戸	50.5	61.3	82%	15.2	18.5	82%	84.9	48.3	176%	21.2	17.1	124%	50.9	37.3	136%	16.3	16.1	101%	186.3	146.9	127%	17.6	17.2	102%
奈良	43.2	59.2	73%	16.0	17.3	92%	82.4	48.4	170%	22.8	15.8	144%	42.1	34.7	121%	15.8	13.3	119%	167.7	142.3	118%	18.2	15.5	118%
潮岬	54.8	58.8	93%	16.1	17.8	90%	64.4	43.5	148%	20.7	15.7	132%	37.3	39.8	94%	15.0	14.9	101%	156.5	142.1	110%	17.3	16.1	107%
鳥取	23.9	67.1	36%	15.3	18.9	81%	88.2	56.5	156%	22.6	17.4	130%	58.1	40.5	143%	16.0	14.6	110%	170.2	164.1	104%	18.0	17.0	106%
松江	20.2	66.1	31%	10.8	20.4	53%	79.7	55.9	143%	22.2	19.2	116%	62.1	39.5	157%	18.4	17.5	105%	162.0	161.5	100%	17.1	19.0	90%
岡山	47.0	65.4	72%	10.9	21.3	51%	87.5	53.3	164%	22.6	20.1	112%	44.2	40.1	110%	18.7	18.3	102%	178.7	158.8	113%	17.4	19.9	87%
広島	43.0	65.5	66%	14.5	18.3	79%	100.3	53.7	187%	25.3	17.0	149%	51.6	39.9	129%	16.3	14.1	116%	194.9	159.1	123%	18.7	16.5	114%
下関	31.1	65.7	47%	12.6	18.9	67%	104.1	53.9	193%	25.1	17.1	147%	42.7	37.2	115%	15.0	13.7	109%	177.9	156.8	113%	17.6	16.6	106%
徳島	55.4	62.8	88%	15.9	20.2	79%	79.6	49.2	162%	23.1	19.2	120%	43.3	39.8	109%	16.4	18.0	91%	178.3	151.8	117%	18.5	19.1	97%
高松	50.8	66.6	76%	17.2	18.3	94%	93.0	55.6	167%	24.7	17.1	144%	44.9	43.0	104%	17.0	15.0	113%	188.7	165.2	114%	19.6	16.8	117%
松山	51.0	63.1	81%	16.8	18.3	92%	95.1	50.5	188%	24.2	16.7	145%	39.1	39.7	98%	15.5	14.4	108%	185.2	153.3	121%	18.8	16.5	114%
高知	50.5	57.8	87%	15.4	17.5	88%	71.2	44.5	160%	21.7	15.8	137%	34.3	36.6	94%	14.8	13.6	109%	156.0	138.9	112%	17.3	15.6	111%
福岡	32.4	62.6	52%	12.4	17.4	71%	94.6	50.2	188%	23.9	15.7	152%	41.4	35.2	118%	14.2	12.9	110%	168.4	148.0	114%	16.8	15.3	110%
佐賀	48.2	59.9	80%	15.7	17.1	92%	88.6	46.1	192%	23.9	15.5	154%	23.4	34.7	67%	11.3	13.2	86%	160.2	140.7	114%	17.0	15.3	111%
長崎	50.8	58.9	86%	16.8	17.3	97%	81.7	44.6	183%	22.0	15.2	145%	19.6	32.7	60%	9.5	12.8	74%	152.1	136.2	112%	16.1	15.1	107%
熊本	48.4	58.2	83%	15.8	17.0	93%	83.2	43.5	191%	23.0	14.8	155%	21.5	35.3	61%	12.2	13.0	94%	153.1	137.0	112%	17.0	14.9	114%
大分	44.0	59.2	74%	14.2	17.0	84%	83.6	47.1	177%	22.7	15.4	147%	33.8	36.5	93%	14.4	12.9	112%	161.4	142.8	113%	17.1	15.1	113%
宮崎	37.0	53.7	69%	14.3	17.2	83%	54.2	40.1	135%	19.1	14.4	133%	40.1	42.7	94%	15.6	14.7	106%	131.3	136.5	96%	16.3	15.4	106%
鹿児島	49.6	50.2	99%	17.1	16.3	105%	65.8	36.3	181%	20.6	14.0	147%	20.9	36.1	58%	11.4	13.8	83%	136.3	122.6	111%	16.4	14.7	111%
那覇	76.2	46.7	163%	21.9	16.2	135%	17.0	56.0	30%	11.7	17.1	68%	66.7	79.5	84%	21.1	20.4	103%	159.9	182.2	88%	18.2	17.9	102%

注: 観測値が無い場合、日照時間及び緯度経度等から求めた推定日射量を利用。  
 全天日射量とは、天空の全方向からの太陽放射を、水平面で受けた単位面積あたりの全天日射エネルギー。

2. 7月

70%以上90%未満

50%以上70%未満

50%未満

日照時間:時間 全日射量(平均):MJ/m<sup>2</sup>

	上旬						中旬						下旬						計					
	日照時間			全日射量(平均)			日照時間			全日射量(平均)			日照時間			全日射量(平均)			日照時間			全日射量(平均)		
	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比	当年値	平年値	平年比
札幌	31.7	56.5	56%	13.8	17.5	79%	25.5	57.0	45%	12.3	17.3	71%	25.4	62.3	41%	13.1	16.3	80%	82.6	175.8	47%	13.1	17.0	77%
青森	54.0	53.8	100%	17.8	17.1	104%	38.7	56.3	69%	15.7	17.6	89%	31.9	67.2	47%	13.8	17.7	78%	124.6	177.3	70%	15.7	17.5	90%
盛岡	38.2	42.2	91%	14.8	14.9	99%	41.9	42.0	100%	15.0	15.1	99%	24.7	59.1	42%	12.8	16.3	79%	104.8	143.3	73%	14.2	15.5	92%
仙台	28.6	35.7	80%	13.0	13.2	98%	54.9	37.0	148%	17.4	13.2	132%	21.8	55.4	39%	9.9	15.7	63%	105.3	128.1	82%	13.3	14.1	95%
秋田	45.6	49.3	92%	15.2	15.5	98%	25.1	52.8	48%	11.8	16.5	72%	27.9	69.5	40%	11.4	17.8	64%	98.6	171.6	57%	12.8	16.6	77%
山形	28.4	42.7	67%	13.2	15.4	86%	37.7	43.2	87%	15.4	15.5	99%	30.0	70.0	43%	14.0	18.2	77%	96.1	155.9	62%	14.2	16.4	86%
福島	27.1	37.8	72%	13.2	14.2	93%	44.8	37.1	121%	16.4	13.7	120%	21.0	58.8	36%	11.4	16.8	68%	92.9	133.7	69%	13.6	15.0	91%
つくば	18.1	36.3	50%	11.8	15.1	78%	51.6	35.6	145%	19.2	14.7	131%	37.7	64.4	59%	14.6	18.4	79%	107.4	136.3	79%	15.2	16.1	94%
宇都宮	16.9	33.8	50%	10.6	13.4	79%	44.6	33.8	132%	18.0	12.7	142%	11.8	53.2	22%	10.1	15.7	64%	73.3	120.8	61%	12.8	14.0	92%
前橋	22.9	37.6	61%	11.4	13.6	84%	49.3	36.9	134%	18.0	13.3	135%	22.4	61.0	37%	11.5	16.0	72%	94.6	135.5	70%	13.6	14.4	94%
熊谷	15.3	37.5	41%	9.6	15.1	64%	50.7	38.1	133%	15.7	15.3	103%	19.7	61.7	32%	10.3	17.0	61%	85.7	137.3	62%	11.8	15.8	75%
千葉	16.6	42.1	39%	12.6	15.6	81%	53.2	47.5	112%	20.6	16.0	129%	56.6	82.3	69%	18.0	20.2	89%	126.4	171.9	74%	17.1	17.4	98%
東京	13.9	39.7	35%	10.1	13.4	75%	49.6	39.5	126%	18.3	12.8	143%	40.0	68.9	58%	13.5	16.3	83%	103.5	148.1	70%	14.0	14.2	98%
横浜	17.4	46.1	38%	9.3	16.2	57%	49.6	46.3	107%	14.7	16.6	89%	44.9	76.1	59%	13.8	18.2	76%	111.9	168.5	66%	12.6	17.0	74%
新潟	38.9	48.4	80%	15.0	15.5	97%	33.0	51.2	64%	13.2	16.2	81%	28.9	84.5	34%	14.2	19.7	72%	100.8	184.1	55%	14.1	17.2	82%
富山	26.2	43.6	60%	12.2	15.2	80%	30.9	42.0	74%	13.5	14.9	91%	14.4	75.1	19%	10.9	18.9	58%	71.5	160.7	44%	12.2	16.4	74%
輪島	27.7	47.0	59%	12.5	15.8	79%	25.3	45.0	56%	12.8	15.5	83%	6.1	81.0	8%	7.6	19.7	39%	59.1	173.0	34%	10.9	17.1	64%
福井	26.6	42.1	63%	13.1	15.3	86%	30.2	41.6	73%	13.6	14.9	91%	16.9	78.1	22%	11.9	19.3	62%	73.7	161.8	46%	12.8	16.6	77%
甲府	29.1	48.3	60%	14.1	16.4	86%	43.2	44.2	98%	17.2	15.3	112%	35.0	68.9	51%	14.9	18.5	81%	107.3	161.4	66%	15.4	16.8	92%
長野	20.2	49.4	41%	14.1	17.8	79%	44.5	46.5	96%	17.6	18.3	96%	34.3	76.2	45%	15.5	19.2	81%	99.0	172.1	58%	15.7	18.5	85%
岐阜	20.9	51.0	41%	15.0	17.0	88%	38.5	48.0	80%	13.5	18.4	73%	24.2	71.7	34%	12.8	20.5	62%	83.6	170.7	49%	13.7	18.7	73%
静岡	32.0	43.0	74%	15.9	15.8	101%	61.6	44.1	140%	20.0	15.4	130%	22.6	66.9	34%	12.4	18.7	66%	116.2	154.0	75%	16.0	16.7	96%
名古屋	27.7	47.4	58%	13.6	15.3	89%	45.4	46.3	98%	17.0	14.9	114%	22.2	69.3	32%	11.5	17.5	66%	95.3	163.0	58%	14.0	16.0	87%
津	30.1	50.8	59%	13.3	16.9	79%	48.5	50.4	96%	14.1	18.0	78%	22.5	75.0	30%	11.7	20.3	58%	101.1	176.2	57%	13.0	18.5	70%
彦根	24.0	49.9	48%	13.2	16.2	81%	30.4	47.2	64%	14.5	15.3	95%	29.7	79.4	37%	13.7	18.9	72%	84.1	176.5	48%	13.8	16.9	82%
舞鶴	22.8	42.1	54%	12.1	15.0	81%	25.9	43.6	59%	12.5	15.1	83%	6.6	75.6	9%	8.6	18.9	46%	55.3	161.3	34%	11.0	16.4	67%
大阪	39.5	53.9	73%	16.3	15.9	103%	57.9	52.2	111%	19.4	15.6	124%	36.2	80.2	45%	14.5	18.0	81%	133.6	186.3	72%	16.7	16.5	101%
神戸	31.3	51.4	61%	13.5	17.1	79%	59.1	49.4	120%	16.8	17.6	95%	39.2	79.3	49%	13.5	18.6	73%	129.6	180.1	72%	14.6	17.8	82%
奈良	32.4	50.4	64%	14.9	16.1	93%	49.6	46.6	106%	17.2	15.3	112%	35.2	77.5	45%	14.0	18.6	75%	117.2	174.5	67%	15.3	16.7	92%
潮岬	20.5	52.8	39%	13.3	17.3	77%	55.2	57.7	96%	19.2	18.3	105%	48.8	75.7	64%	15.8	19.4	81%	124.5	186.2	67%	16.1	18.4	88%
鳥取	34.0	53.1	64%	13.7	16.6	83%	21.5	50.5	43%	15.1	16.1	94%	22.1	83.9	26%	13.2	20.0	66%	77.6	187.5	41%	14.0	17.6	79%
松江	36.7	51.7	71%	14.4	19.0	76%	19.2	49.5	39%	12.1	19.6	62%	10.6	79.2	13%	9.5	20.6	46%	66.5	180.4	37%	11.9	19.8	60%
岡山	28.8	51.9	55%	14.3	18.7	76%	40.2	50.6	79%	11.8	19.1	62%	32.2	77.0	42%	8.9	20.5	43%	101.2	179.5	56%	11.6	19.5	59%
広島	27.5	51.8	53%	13.2	16.4	80%	24.1	53.7	45%	12.6	16.7	75%	36.7	77.5	47%	13.3	19.0	70%	88.3	183.0	48%	13.0	17.4	75%
下関	26.6	50.9	52%	12.3	16.3	75%	30.2	57.3	53%	14.1	17.3	82%	27.6	79.5	35%	12.5	19.5	64%	84.4	187.7	45%	13.0	17.8	73%
徳島	35.2	56.6	62%	13.7	19.1	72%	59.2	56.9	104%	17.4	19.8	88%	36.1	83.2	43%	13.6	20.7	66%	130.5	196.7	66%	14.9	19.9	75%
高松	30.5	60.4	50%	14.4	17.7	81%	57.2	59.0	97%	17.9	17.6	102%	32.9	86.3	38%	14.6	20.1	73%	120.6	205.7	59%	15.6	18.5	84%
松山	40.9	57.0	72%	14.6	17.4	84%	49.1	56.2	87%	16.3	17.5	93%	27.6	80.5	34%	13.4	19.9	67%	117.6	193.7	61%	14.7	18.3	80%
高知	16.6	52.6	32%	13.0	17.0	76%	48.1	54.4	88%	17.4	17.1	102%	38.1	69.7	55%	14.7	18.7	79%	102.8	176.7	58%	15.0	17.6	85%
福岡	29.0	50.1	58%	11.3	15.3	74%	37.2	56.2	66%	15.3	16.5	93%	20.9	76.6	27%	11.3	17.8	63%	87.1	182.9	48%	12.6	16.6	76%
佐賀	28.3	44.2	64%	12.5	15.8	79%	42.8	50.7	84%	17.5	16.6	105%	36.9	72.2	51%	13.9	18.9	74%	108.0	167.1	65%	14.6	17.2	85%
長崎	29.3	49.4	59%	13.4	16.0	84%	45.3	56.7	80%	17.3	17.2	101%	29.8	80.5	37%	13.2	19.4	68%	104.4	186.6	56%	14.6	17.6	83%
熊本	38.9	52.0	75%	15.4	15.6	99%	48.9	57.6	85%	17.2	16.7	103%	32.5	77.1	42%	13.0	18.6	70%	120.3	186.7	64%	15.1	17.0	89%
大分	37.7	55.7	68%	13.6	16.2	84%	52.7	57.8	91%	16.8	16.6	101%	25.4	73.4	35%	11.4	17.9	64%	115.8	186.9	62%	13.9	16.9	82%
宮崎	47.3	61.6	77%	17.8	17.3	103%	69.6	70.4	99%	20.3	18.9	107%	40.9	78.8	52%	15.8	18.6	85%	157.8	210.8	75%	17.9	18.3	98%
鹿児島	37.6	53.8	70%	15.9	16.6	96%	65.9	63.8	103%	21.1	18.5	114%	37.6	73.7	51%	14.4	18.3	79%	141.1	191.3	74%	17.0	17.8	96%
那覇	76.4	79.2	96%	21.7	20.1	108%	86.2	84.3	102%	24.3	20.9	116%	91.2	80.1	114%	22.4	19.1	117%	253.8	243.6	104%	22.8	20.0	114%

注: 観測値が無い場合、日照時間及び緯度経度等から求めた推定日射量を利用。  
全日射量とは、天空の全方向からの太陽放射を、水平面で受けた単位面積あたりの全日射エネルギー。