

ANEXO: LISTA DE ESTACIONES AUTOMÁTICAS SATELITALES DE RADIACIÓN GLOBAL DEL IDEAM USADAS EN EL ATLAS

Codigo	Estacion	Municipio	Departamento	Latitud	Longitud	Elevacion (m.s.n.m.)	Entidad	Valor promedio (Wh/m² por día)												Promedio Anual	Años de Información	Fecha Inicio	Fecha Final
								ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC				
0023105079	Macono	Macono	Antioquia	6.57	-74.79	1112	IDEAM (sat)	4515.6	4639.6	4343.3	4431.8	4524.9	4999.9	5208.5	5278.1	5486.9	4540.9	4010.3	4102.1	4674.9	8	abr-06	ago-13
0027113131	Mesobellín	Mesobellín	Antioquia	6.36	-75.56	956	IDEAM (sat)	4027.8	4243.2	4133.4	4227.1	4187.9	4390.9	4773.3	4749.0	4619.7	4093.2	4096.9	4192.7	4322.0	8	jun-05	dic-14
0023082060	La Salva	Rionegro	Antioquia	6.12	-75.40	2090	IDEAM (sat)	3821.1	4025.8	3897.7	4206.5	4892.4	5204.6	5293.1	5201.1	4574.8	4308.1	4201.0	4173.9	4418.5	5	may-05	dic-14
0028185050	Santa Bárbara	Santa Bárbara	Antioquia	5.88	-75.56	1677	IDEAM (sat)	5133.0	4922.8	4975.5	4487.0	4411.8	4860.2	5459.0	4989.9	5032.8	4679.3	4500.1	4469.7	4634.0	8	abr-06	dic-14
0027015320	Arévalo	Santa Rosa	Antioquia	6.78	-75.56	530	IDEAM (sat)	4699.3	4207.9	3999.6	3666.0	3781.4	4461.6	4884.4	4712.6	4788.7	3831.7	3515.8	3751.5	5114.2	10	ene-05	dic-14
0028225060	Hacienda Cotoví	Santafé de Antioquia	Antioquia	6.53	-75.82	2600	IDEAM (sat)	4411.9	4706.8	4612.0	4905.1	4655.0	4775.5	5068.4	4882.7	4884.7	4646.7	4451.7	4296.8	4694.8	9	may-05	dic-14
0028555030	Santa Isabel Valdivia	Valdivia	Antioquia	7.16	-75.44	567	IDEAM (sat)	3888.4	4263.2	4006.4	4139.8	4516.4	4930.6	4715.4	4631.9	4956.2	4283.1	4170.1	4073.3	4257.3	9	may-05	dic-14
0023106080	Yegros	Yegros	Antioquia	6.77	-74.86	554.5	IDEAM (sat)	4209.4	4422.4	4153.8	4232.0	4409.3	4863.5	5238.2	4999.9	4853.7	4737.1	4212.9	4221.8	4524.1	7	may-05	sep-14
0023049412	Las Pintas	Barroquillo	Atlántico	11.04	-74.62	2	IDEAM (sat)	4268.8	5099.2	5854.4	5072.6	5217.7	5598.8	5566.4	5264.7	5572.7	5698.5	5396.2	5222.7	5691.9	6	nov-09	dic-14
0029045190	Apto. Ernesto Cortáez	Soledad	Atlántico	10.88	-74.77	31	IDEAM (sat)	4603.5	5099.9	5201.1	5451.8	4891.9	4848.7	4584.6	4591.5	5064.6	4551.5	4852.3	5207.0	5124.7	2	feb-06	mar-15
0029015040	Carmen de Bolívar	Carmen de Bolívar	Bolívar	9.63	-75.10	190	IDEAM (sat)	5550.7	5644.3	5502.7	5551.7	4920.7	5466.2	5810.3	5336.4	4999.6	4592.2	4615.9	5145.9	5258.7	7	feb-06	dic-14
0035095120	Aquitanía	Aquitanía	Boyacá	5.53	-72.88	3058	IDEAM (sat)	5354.8	5542.7	4800.7	4247.8	4269.4	4269.9	4088.5	4009.8	4314.5	4375.2	4430.1	5131.6	4553.7	10	abr-05	ago-14
0035075070	Chiriquita	Chiriquita	Boyacá	5.15	-73.33	2012	IDEAM (sat)	3742.1	3713.7	3291.2	2973.7	2831.9	2672.6	2717.0	2750.6	2892.7	3387.4	3477.4	3859.8	3192.7	10	mar-05	dic-14
0035085080	La Capilla	La Capilla	Boyacá	5.08	-73.43	1917	IDEAM (sat)	4430.2	5386.6	4745.1	4340.3	4336.5	3742.3	3745.9	3938.0	4604.7	4982.0	5011.0	5432.8	4641.5	9	mar-05	dic-14
0024035430	Tungurahua	Páiza	Boyacá	5.75	-73.12	2470	IDEAM (sat)	4269.0	4416.8	4224.9	4075.2	3995.5	3845.2	4209.2	4181.3	4244.4	4150.9	4287.0	4119.8	4156.1	10	abr-05	dic-14
0023125160	San Pablo de Borbur	San Pablo de Borbur	Boyacá	5.67	-74.08	742	IDEAM (sat)	4099.4	4326.3	3953.4	4412.2	4131.9	4444.1	4725.0	4933.4	4893.0	4709.3	4560.2	4787.4	4651.9	6	may-08	dic-14
0035085070	Santa María	Santa María	Boyacá	4.84	-73.25	1300	IDEAM (sat)	3876.3	3759.2	3387.0	3198.5	3204.2	2859.8	2843.2	3287.1	3940.2	3304.1	3632.9	3609.0	3447.8	9	may-05	dic-14
0024035360	Socha	Socha	Boyacá	5.99	-72.71	2492	IDEAM (sat)	5143.8	5329.6	4515.5	4064.8	4091.3	4252.9	4206.0	4191.8	4038.7	4303.6	4308.7	4750.8	4424.9	10	abr-05	dic-14
0024035410	Sogamoso	Sogamoso	Boyacá	5.75	-72.91	2495	IDEAM (sat)	5600.6	5158.9	5124.6	4572.8	4466.4	4316.9	4588.1	4327.3	4327.7	4301.9	4891.3	5089.6	4730.5	7	may-08	dic-14
0035095090	Zetaquirá	Zetaquirá	Boyacá	5.30	-73.17	1434	IDEAM (sat)	4484.6	4400.0	3970.3	3846.5	3649.8	3178.5	2960.6	3145.7	3564.6	3933.2	4255.7	4470.0	3821.6	10	abr-05	dic-14
0026155220	El M.A.S.	Menosca	Boyacá	5.09	-75.51	2207	IDEAM (sat)	3943.7	3849.3	3959.8	3657.8	3481.1	3340.0	4074.1	3983.2	4117.1	3729.8	3490.2	3667.0	3787.2	10	may-05	dic-14
0026155220	Villamirra	Villamirra	Caldas	5.05	-75.51	1898	IDEAM (sat)	4269.0	4416.8	4224.9	4075.2	3995.5	3845.2	4209.2	4181.3	4244.4	4150.9	4287.0	4119.8	4156.1	10	may-05	dic-14
0044035040	Florencia -deshabitado	Florencia	Caquetá	1.72	-75.63	606	IDEAM (sat)	3885.1	3694.4	3377.0	3289.2	2928.1	2905.0	3092.2	3314.8	3727.3	3716.1	3540.4	3894.6	3430.3	8	jun-05	dic-12
0044035050	Mocaguala - Florencia	Mocaguala	Caquetá	1.50	-75.66	257	IDEAM (sat)	4083.3	3937.4	3345.6	3485.3	3264.8	3204.2	3137.7	3577.7	3770.0	3905.8	3951.1	3918.7	3617.5	10	jun-05	dic-14
0049015030	San Vicente del Caguan	San Vicente del Caguan	Caquetá	2.16	-74.75	275	IDEAM (sat)	5197.7	4388.9	4405.2	4260.6	4121.4	3825.5	3807.3	4143.1	4801.1	4966.2	4745.8	4656.2	4451.7	5	jun-09	dic-14
0038015030	El Diamante	Paz de Ariporo	Casanare	5.82	-71.42	160	IDEAM (sat)	5250.2	5001.1	4995.4	4547.7	4639.5	4515.3	4205.3	4705.0	5211.1	5177.2	4688.3	5105.7	4862.6	9	oct-05	ago-14
0035051032	Apto. Yopal	Yopal	Casanare	5.32	-72.38	390	IDEAM (sat)	3760.7	3339.7	4701.4	4589.8	4286.0	4240.9	4186.0	4453.8	4974.8	4885.2	5091.8	5321.0	4938.1	5	nov-09	dic-14
0035075020	El Digno	Agua de Dios	Cauca	2.31	-77.26	1790	IDEAM (sat)	4651.6	3935.1	4506.4	4427.2	4765.9	5164.2	5400.3	5565.4	5460.4	4647.5	4196.3	3918.8	4618.3	7	oct-05	nov-14
0035045040	Apto. Guapi	Guapi	Cauca	2.58	-77.90	17	IDEAM (sat)	3055.0	3338.1	3425.6	3763.0	3418.1	3216.7	3286.4	3553.4	3503.4	3264.1	2844.6	3025.0	3291.1	8	oct-05	dic-14
0021055070	Inza	Inza	Cauca	2.55	-76.06	1896	IDEAM (sat)	4495.0	4558.3	4275.4	4284.5	4062.8	3811.3	4169.8	3895.6	4291.8	4408.8	4440.5	4446.6	4263.5	9	nov-05	sep-14
0050205090	La Sierra	La Sierra	Cauca	2.19	-76.75	1930	IDEAM (sat)	4784.3	4426.3	4170.1	3728.1	4295.4	4663.8	5084.2	4933.5	4889.0	4696.5	4464.3	4221.3	4571.4	6	sep-05	sep-14
0028035060	Fedecesar	Valledupar	Cesar	10.46	-73.25	184	IDEAM (sat)	5420.1	5685.3	5317.3	5441.3	5253.8	5088.7	5107.8	5375.4	4996.8	4865.5	4950.3	5152.7	5280.4	10	sep-05	dic-14
0011190010	Asuero	Chocó	Chocó	8.51	-77.32	260	IDEAM (sat)	3892.9	3584.1	4096.7	4202.6	3946.0	4479.0	4579.3	4512.2	4518.8	4380.1	3918.0	3897.2	4173.0	6	abr-07	dic-14
0021255030	Universidad de Cundinamarca	Guadalupe	Cundinamarca	4.31	-74.81	3114	IDEAM (sat)	4331.8	4356.8	4198.1	4251.7	4253.7	4272.4	4253.7	4683.9	4745.2	4271.8	3984.1	4343.9	4252.6	10	abr-05	dic-14
0021269080	Santa Cruz de Siacha	Guasca	Cundinamarca	4.78	-73.87	3174	IDEAM (sat)	4633.0	4329.9	3729.3	3541.2	3566.0	3792.3	3795.0	3602.3	3660.3	3889.1	3661.1	4071.4	3804.8	9	abr-05	dic-14
0002102542	Tibatá	Mosquera	Cundinamarca	4.69	-74.21	2593	IDEAM (sat)	4624.7	4712.7	4203.8	3779.3	3496.6	3791.7	3842.7	3995.4	4058.5	3930.5	3906.4	4253.9	4034.4	10	feb-05	dic-14
0021267190	Hacienda Santa Ana	Nemocón	Cundinamarca	5.10	-73.87	2581	IDEAM (sat)	4844.3	4790.6	4018.6	3964.7	4005.7	4067.4	4110.7	3883.0	3854.0	4187.8	4295.5	4793.5	4251.4	9	mar-05	may-14
0021265190	Pasca	Pasca	Cundinamarca	4.53	-74.30	2250	IDEAM (sat)	4498.8	4121.8	3902.0	4012.0	3899.9	3968.2	3926.6	3893.0	4220.1	3978.6	3704.0	4092.9	4019.8	7	jun-08	dic-14
0023265190	Quebrada Negra	Quebrada Negra	Cundinamarca	5.14	-74.48	1105	IDEAM (sat)	4597.7	4836.8	4601.5	4498.1	4462.9	4636.5	4771.1	4499.9	4787.9	4761.1	4697.8	4562.0	4635.0	7	abr-05	dic-14
0023125170	San Cayetano	San Cayetano	Cundinamarca	5.23	-74.92	2807	IDEAM (sat)	4129.6	3968.6	2984.7	3761.6	3216.3	3460.9	3616.2	3205.0	3499.0	3048.1	2837.7	2999.0	3154.4	8	feb-05	dic-14
0021265020	Villa Toscana	Sampar	Cundinamarca	4.21	-74.09	3524	IDEAM (sat)	4237.1	4291.7	3924.9	3792.3	3898.7	4291.7	3988.7	4040.6	3834.7	3789.3	3861.7	3847.7	3847.7	8	may-05	dic-14
0024015110	La Boyera	Ubaté	Cundinamarca	5.31	-73.85	2610	IDEAM (sat)	4809.2	4913.9	4294.1	4045.9	3963.1	4044.5	4079.4	4156.6	4307.7	4181.3	3947.8	4440.0	4260.6	10	jun-05	nov-14
0023265018	Villeta	Villeta	Cundinamarca	5.02	-74.47	880	IDEAM (sat)	4630.5	4494.0	4360.2	4394.9	4508.9	4309.1	4451.8	4411.7	4467.5	4691.2	4734.9	4755.8	4516.7	9	may-05	nov-14
0021115180	Hacienda Manila	Baraya	Huila	3.13	-75.08	566.8	IDEAM (sat)	5601.8	5435.3	4891.1	5156.4	5218.5	4908.8	5070.8	4911.7	5092.7	5110.1	5173.9	5306.8	5156.5	6	jun-05	dic-14
0021015070	Los Guacheros	La Palestina	Huila	1.88	-76.11	1970	IDEAM (sat)	3717.8	3433.3	3063.9	3388.2												