

HOJA DE REGISTRO DE ACTIVIDAD ALTA**REGISTER PAPER OF HIGH ACTIVITY****Radiante / Meteor Shower:** Perseidas / Perseids**Fecha / Date:** 12-13/Ago.-Aug./2002**Hora Comienzo (T.U.) / Begin time(U.T.):** 22h.05m.**Hora final (T.U.) / Finish time (U.T.):** 02h.06m.**Observador / Observer:** Miguel Angel Serra Martin (SERMI)**Lugar de Observacion / Place of observation:** Inca, Mallorca island, Spain**Longitud / Longitude:** 02° 51' 05" E**Latitud / Latitude:** +39° 43' 12"**Codigo IMO / IMO code:** 15.538**Centro del campo de Vision: Alfa: 00° Delta: +10°****Center of the field of Vision: Alpha: 00° Delta: +10°****Pausas / Pauses:** ---

Nº	Hora (T.U.)	Mag.	Male	Rad.	Nº	Hora (T.U.)	Mag.	Male	Rad.
N.	Time (U.T.)	Mag.	L. M.	Rad.	N.	Time (U.T.)	Mag.	L. M.	Rad.
1	22.07	3	5.80	PER	2	22.08	2	5.80	PER
3	22.10	3	5.80	ESP	4	22.11	2	5.80	PER
5	22.24	0	5.80	PER	6	22.25	3	5.80	ESP
7	22.29	3	5.80	PER	8	22.40	3	5.80	PER
9	22.42	2	5.80	KCG	10	22.44	0	5.80	PER
11	22.46	1	5.80	PER	12	22.51	3	5.80	PER
13	22.55	0	5.80	PER	14	22.55	-1	5.80	PER
15	22.56	0	5.80	PER	16	23.05	3	5.80	PER
17	23.07	4	5.80	PER	18	23.07	1	5.80	PER
19	23.08	3	5.80	PER	20	23.20	2	5.80	PER
21	23.21	0	5.80	PER	22	23.22	1	5.80	PER
23	23.24	2	5.80	ESP	24	23.25	-1	6.10	PER
25	23.30	0	6.10	NDA	26	23.32	-2	6.10	PER
27	23.34	4	6.10	PER	28	23.35	-1	6.10	PER
29	23.39	4	6.10	PER	30	23.36	3	6.10	ESP
31	23.37	2	6.10	PER	32	23.45	4	6.10	PER
33	23.47	2	6.10	PER	34	23.48	3	6.10	PER
35	23.48	-1	6.10	PER	36	00.00	2	6.10	PER
37	00.02	3	6.10	PER	38	00.02	-2	6.10	PER
39	00.04	0	6.10	PER	40	00.11	-3	6.10	PER

41	00.12	3	6.10	PER	42	00.21	2	6.10	PER
43	00.21	3	6.10	PER	44	00.30	2	6.10	PER
45	00.36	2	6.10	PER	46	00.37	2	6.10	NDA
47	00.38	0	6.10	PER	48	00.39	1	6.10	PER
49	00.40	4	6.10	PER	50	00.45	2	6.10	PER
51	00.50	4	6.10	PER	52	00.55	0	6.10	PER
53	00.56	-1	6.10	PER	54	01.00	2	6.10	PER
55	01.04	1	6.10	PER	56	01.06	3	6.10	PER
57	01.07	2	6.10	PER	58	01.11	4	6.10	PER
59	01.12	2	6.10	PER	60	01.15	3	6.10	PER
61	01.18	0	6.10	PER	62	01.30	4	6.10	PER
63	01.36	-1	6.10	PER	64	01.37	-2	6.10	PER
65	01.38	2	6.10	PER	66	01.40	0	6.10	PER
67	01.41	4	6.10	PER	68	01.42	3	6.10	PER
69	01.42	0	6.10	PER	70	01.44	-1	6.10	PER
71	01.45	3	6.10	PER	72	01.47	2	6.10	PER
73	01.49	-2	6.10	PER	74	01.53	3	6.10	PER
75	01.54	0	6.10	PER	76	01.55	3	6.10	PER
77	01.56	0	6.10	PER	78	01.58	1	6.10	PER
79	02.02	4	6.10	PER					

HOJA DE RESUMEN SUMMARY PAPER

Radiante / Meteor Shower: Perseidas / Perseids

Fecha / Date: 12-13/Ago.-Aug./2002

Hora Comienzo (T.U.) / Begin time(U.T.): 22h.05m.

Hora final (T.U.) / Finish time (U.T.): 02h.06m.

Observador / Observer: Miguel Angel Serra Martin (SERMI)

Lugar de Observacion / Place of observation: Inca, Mallorca island, Spain

Longitud / Longitude: 02° 51' 05" E

Latitud / Latitude: +39° 43' 12"

Codigo IMO / IMO code: 15.538

Centro del campo de Vision: Alfa: 00° Delta: +10°

Center of the field of Vision: Alpha: 00° Delta: +10°

Pausas / Pauses: ---

LLUVIAS

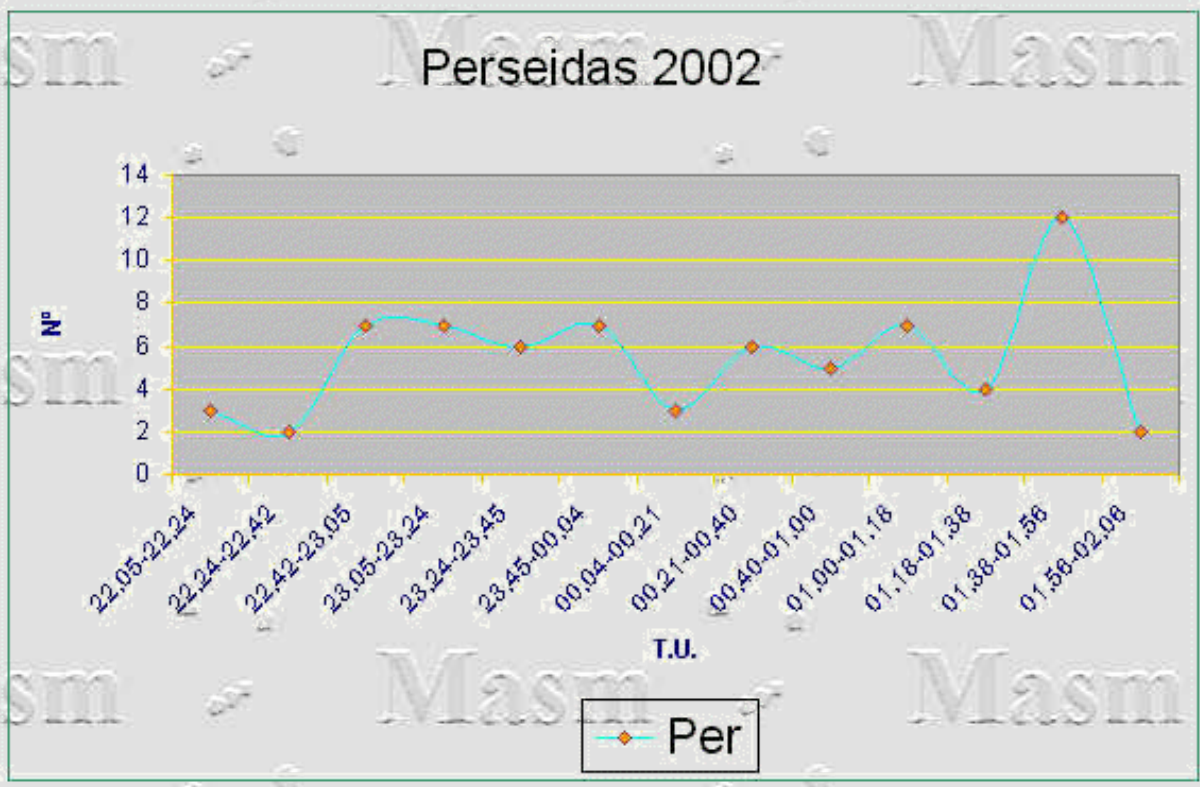
RADIANTS

Lluvia <i>Showers</i>	A.R. <i>R.A.</i>	Dec. <i>Dec.</i>	Diam. <i>Field</i>	Lluvia <i>Showers</i>	A.R. <i>R.A.</i>	Dec. <i>Dec.</i>	Diam. <i>Field</i>
PER	50°	+59°	5°	KCG	285°	+59°	5°
NDA	339°	-4°	5°				

RADIANTES (P:Dibujo; C:Conteo)

RADIANTS (P: Draw; C:Counted)

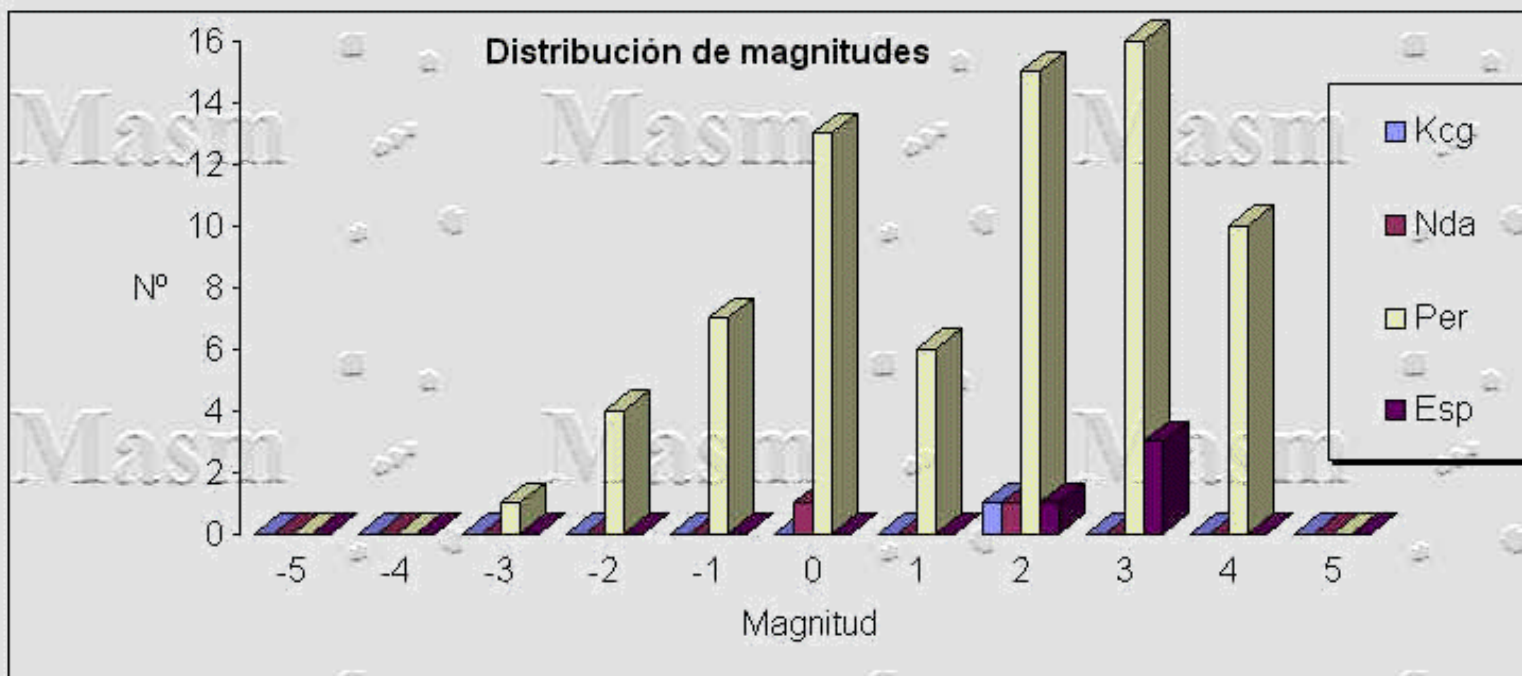
Hora (T.U.) <i>Time (U.T.)</i>	Campo <i>Field</i>	T_{ef} \bar{T}_{ef}	F <i>F</i>	Male <i>L. M.</i>	PER	KCG	NDA	Esp. <i>Spo.</i>	Total <i>Total</i>
22.05-22.24	00°+10°	0.32	1.00	5.80	C 3	C 0	C 0	01	04
22.24-22.42	00°+10°	0.30	1.11	5.80	C 2	C 1	C 0	01	04
22.42-23.05	00°+10°	0.38	1.32	5.80	C 7	C 0	C 0	00	07
23.05-23.24	00°+10°	0.32	1.08	5.80	C 7	C 0	C 0	00	07
23.24-23.45	00°+10°	0.35	1.00	6.01	C 6	C 0	C 1	02	09
23.45-00.04	00°+10°	0.32	1.12	6.10	C 7	C 0	C 0	00	07
00.04-00.21	00°+10°	0.28	1.04	6.10	C 3	C 0	C 0	00	03
00.21-00.40	00°+10°	0.32	1.00	6.10	C 6	C 0	C 1	00	07
00.40-01.00	00°+10°	0.33	1.00	6.10	C 5	C 0	C 0	00	05
01.00-01.18	00°+10°	0.30	1.00	6.10	C 7	C 0	C 0	00	07
01.18-01.38	00°+10°	0.33	1.00	6.10	C 4	C 0	C 0	00	04
01.38-01.56	00°+10°	0.30	1.00	6.10	C12	C 0	C 0	00	12
01.56-02.06	00°+10°	0.17	1.00	6.10	C 3	C 0	C 0	00	03
Total / Total		4.02	1.02	5.99	C72	C1	C 2	04	79



MAGNITUDES

MAGNITUDES

Radianes	M	-5	-4	-3	-2	-1	0	1	2	3	4	5	Total
<i>Radiants</i>													<i>Total</i>
PER				1	4	7	13	6	15	16	10		72
KCG				0	0	0	0	0	1	0	0		01
NDA				0	0	0	1	0	1	0	0		02
Esp. / Spo.				0	0	0	0	0	1	3	0		04
Total / Total				01	04	07	14	06	18	19	10		79



METEOROLOGIA

METEOROLOGY

Meteorología <i>Meteorology</i>	Oscuridad del cielo y condiciones de observacion <i>Darkness of the sky and conditions of observation</i>				Notas	<i>Notes</i>
	Hora <i>Time</i>	N %	Hora <i>Time</i>	N %		
Luna / Moon: +23%					Noche transparente, oscura y nubes altas al principio. Actividad más alta que el año pasado.	<i>Clear night, dark one & little clouds at begining. More activity that last year.</i>
Viento / Wind: ---						
Luminosidad: Baja <i>Luminosity:</i> Down	22.05	0	22.25	10		
Oscuridad: Alta <i>Darkness:</i> High	22.40	20	22.42	10		
	22.46	20	22.51	30		
	23.05	20	23.07	10		
	23.08	00	02.06	00		

MAGNITUD LÍMITE

LIMIT MAGNITUDE

Hora <i>Time</i>	Zona <i>Zone</i>	Nº <i>N.</i>	Male <i>L. M.</i>	Hora <i>Time</i>	Zona <i>Zone</i>	Nº <i>N.</i>	Male <i>L. M.</i>	Mag. Lím. <i>Lim. Mag.</i>
22.05	6	8	5.80	23.32	6	9	6.10	5.99
23.49	6	9	6.10	02.06	6	9	6.10	

DISTRIBUCION DE ESTELAS

DISTRIBUTION OF TRAINS

RADIANTE / SHOWER: PER

Dur. <i>Time</i>	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	Total <i>Total</i>
<0.5"	0	0	0	1	1	2	2	0	0	0	0	0	0	06
1"	0	0	0	0	2	0	1	0	1	0	0	0	0	04
2"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
3"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
4"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
>5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
Total / Total: 72							Con estela / With trains: 10							

RADIANTE / SHOWER: KCG

Dur. <i>Time</i>	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	Total <i>Total</i>
<0.5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
1"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
2"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
3"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
4"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
>5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
Total / Total: 01							Con estela / With trains: 00							

RADIANTE / SHOWER: NDA

Dur. <i>Time</i>	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	Total <i>Total</i>
<0.5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
1"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
2"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
3"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
4"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
>5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
Total / Total: 02							Con estela / With trains: 00							

RADIANTE / SHOWER: ESP / SPO

Dur. Time	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	Total Total
<0.5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
1"	0	0	0	0	0	0	0	0	1	0	0	0	0	01
2"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
3"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
4"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
>5"	0	0	0	0	0	0	0	0	0	0	0	0	0	00
Total / Total: 02								Con estela / With trains: 01						



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