

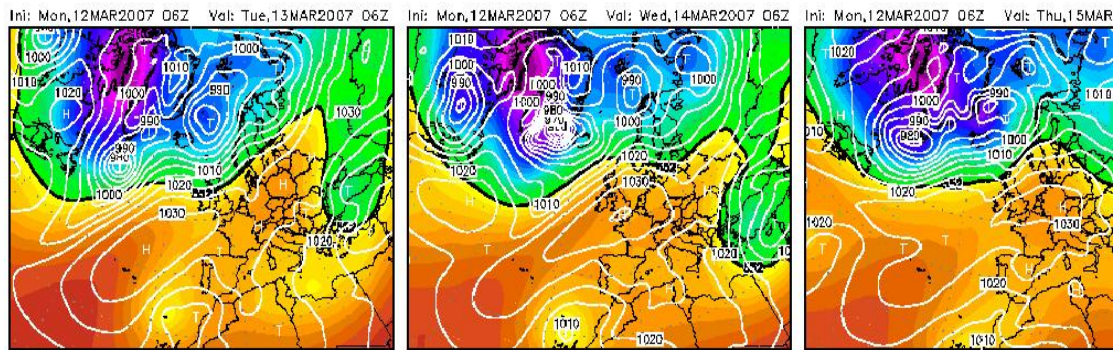


Perturbaciones Significativas- 2006-2007.  
CPS-- Acanmet

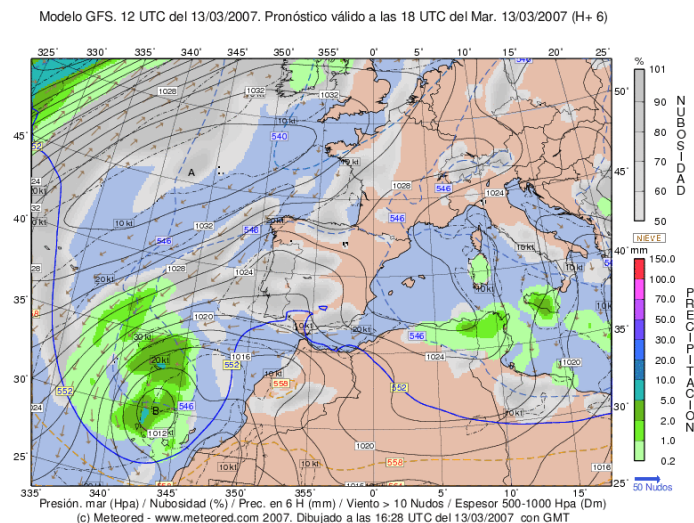
# Yaiza

13-15 de marzo

Depresion Aislada en Niveles Altos que se descuelga desde el NW, sobre las islas obteniendo debil reflejo en SFC. Origina espectaculares tormentas el dia 14 de marzo en el area metropolitana de las Palmas y en la noche del 14 al 15 en el N y E de TF y en la Gomera.

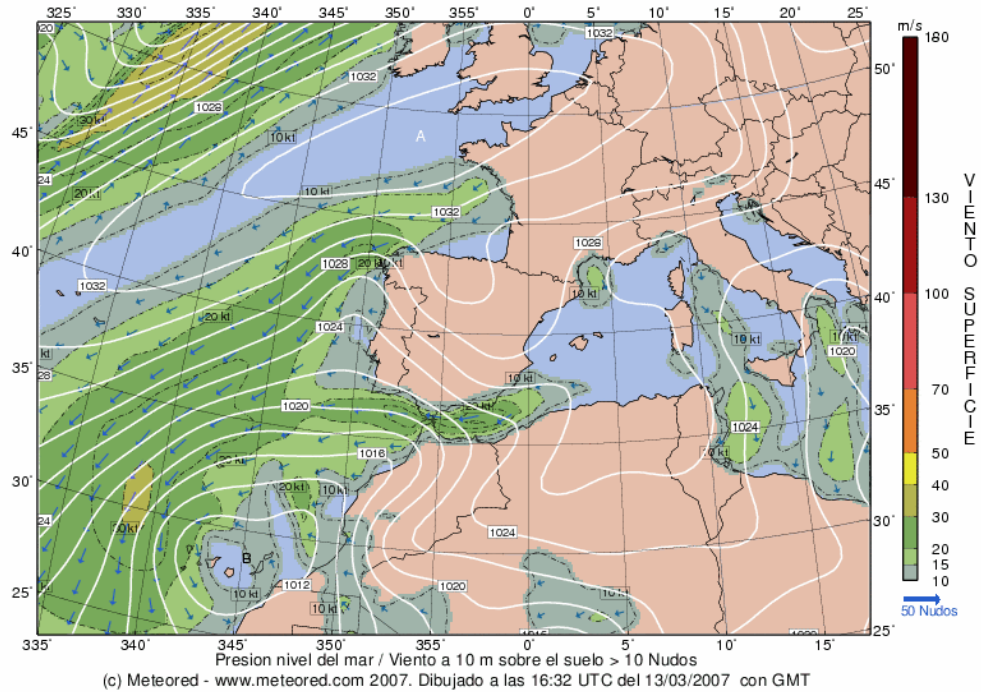


Evolucion de la DANA sobre las islas, salida del GFS del lunes 7 de marzo a las 06z.  
**Campos e imágenes día 13 de marzo.**




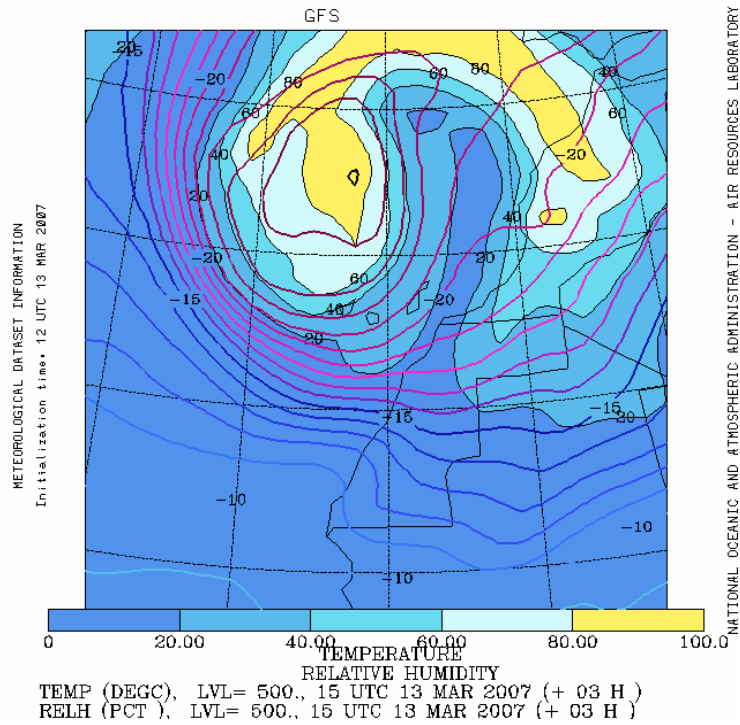
# Perturbaciones Significativas : Yaiza

Modelo GFS. 12 UTC del 13/03/2007. Pronóstico válido a las 06 UTC del Wed. 14/03/2007 (H+18)



La baja , reflejada en SFC con 1012 mb se encuentra en la madrugada del miércoles 14 justamente sobre las islas.

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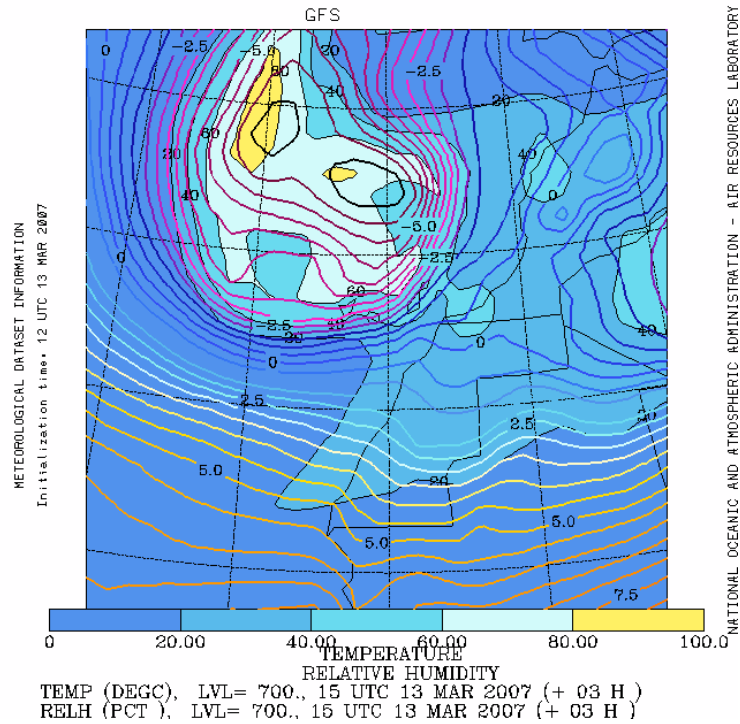


# Perturbaciones Significativas : Yaiza



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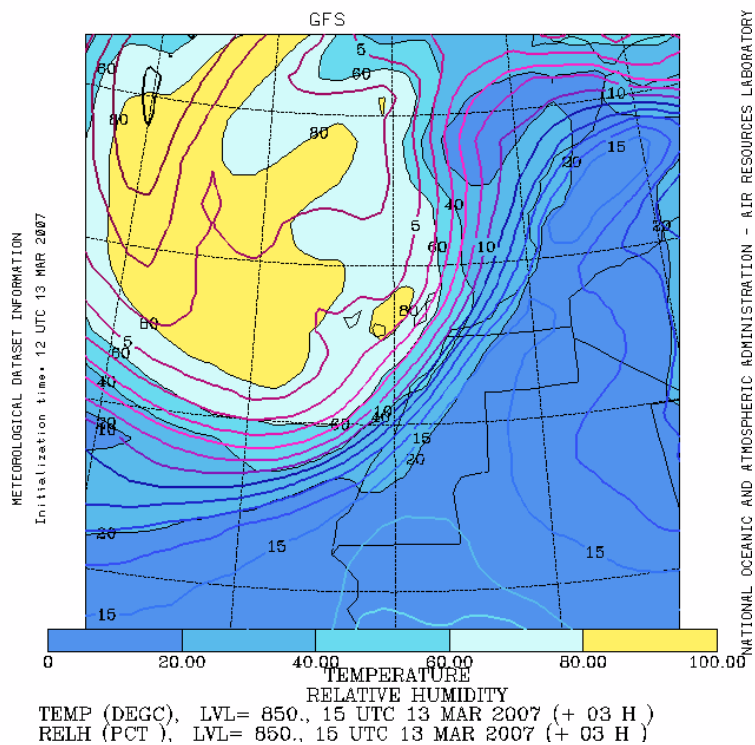


Temperatura y humedad en 700 hp, salida del 13 de marzo, prediccion a +3h. Abajo idem en la cota de 850 hp.



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## Perturbaciones Significativas : Yaiza

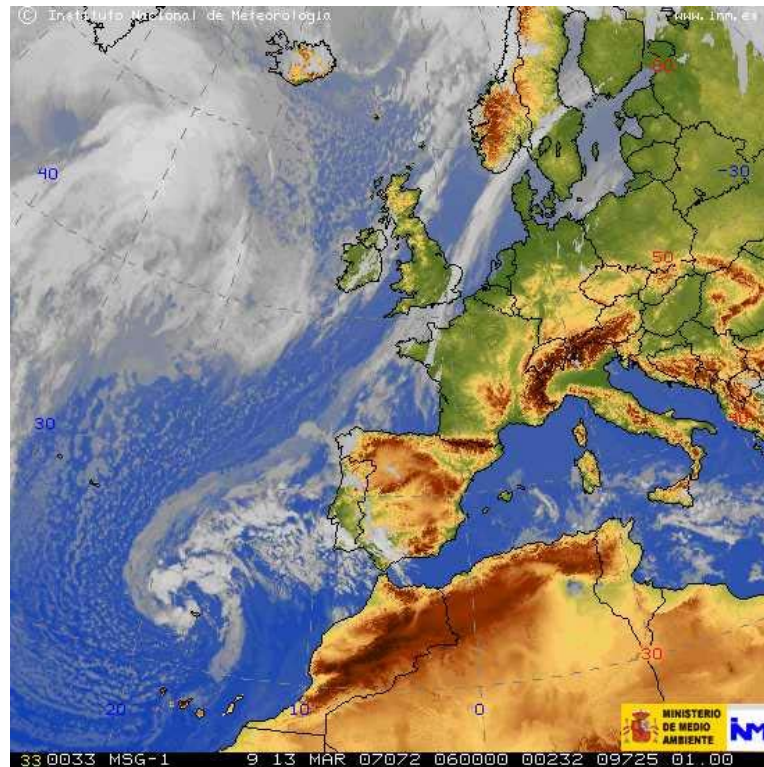


Imagen Infrarroja en la que se muestra la perturbación iniciando su descuelgue sobre las islas.

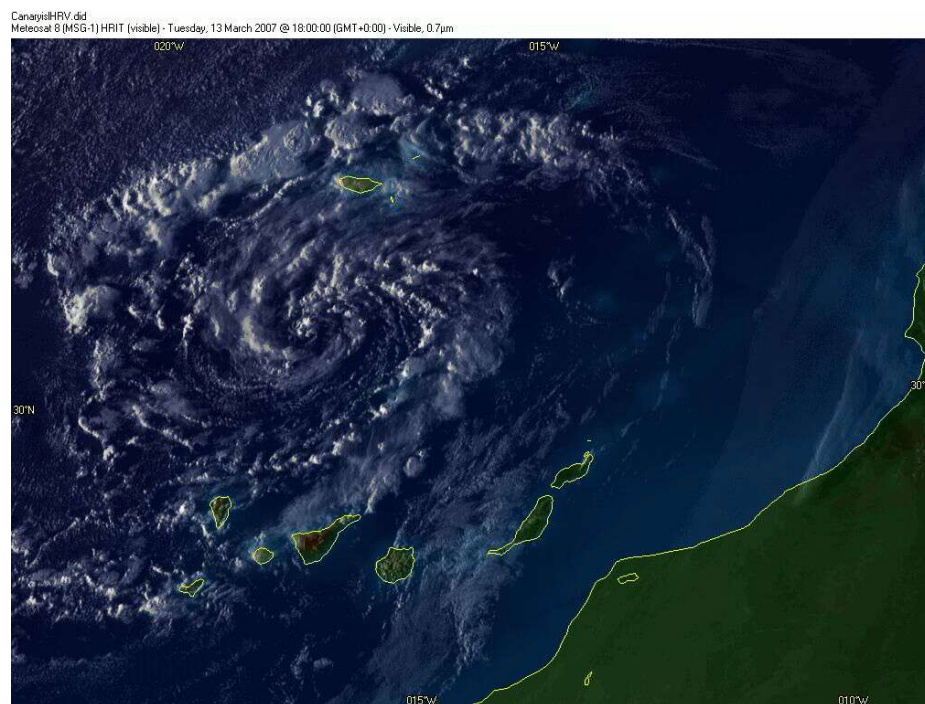
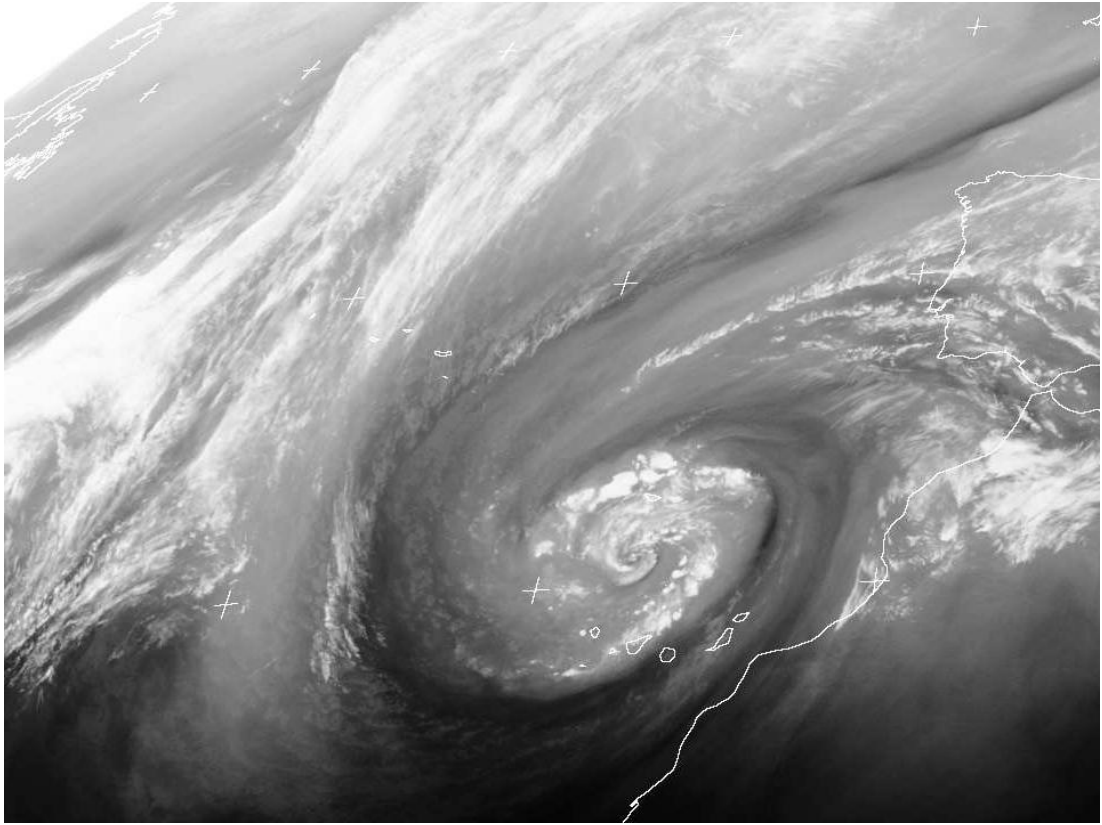
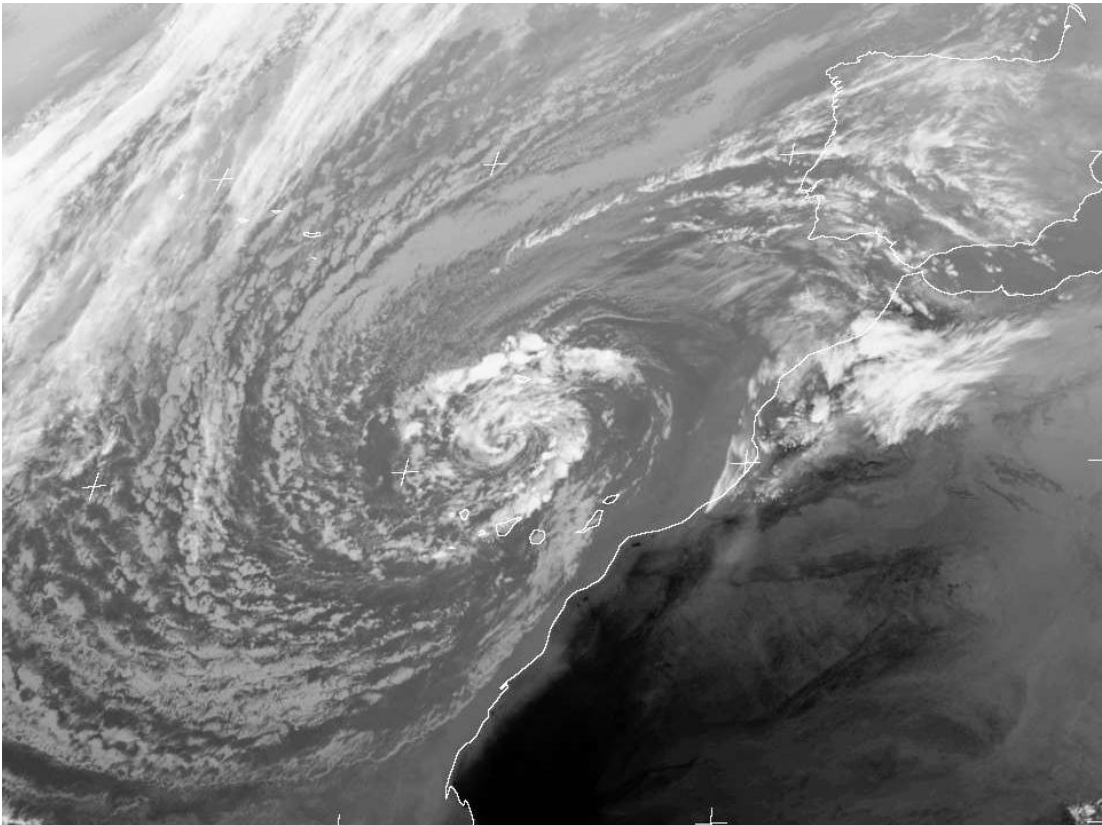
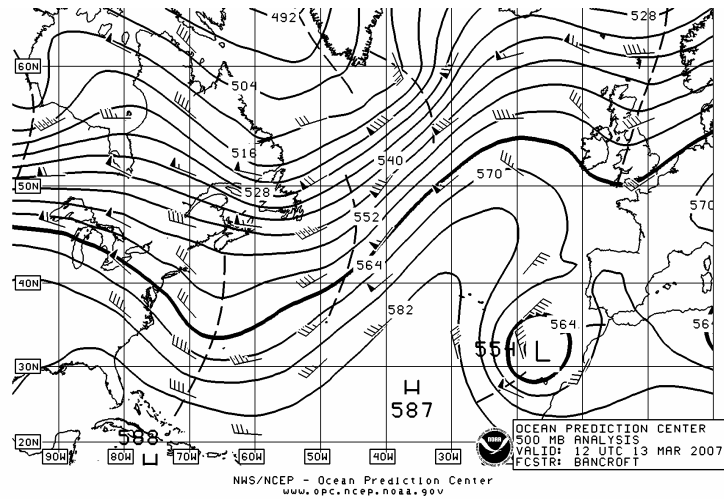


Imagen de visible el martes 13 a las 18h, observese el debil frente que afecta las occidentales.

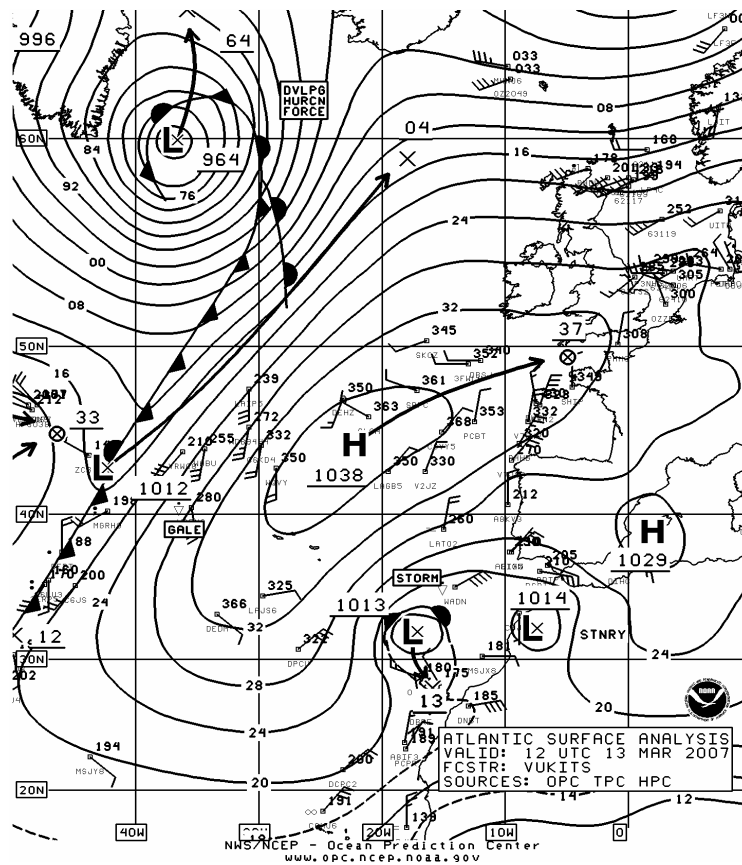
*Perturbaciones Significativas : Yaiza*



## Perturbaciones Significativas : Yaiza

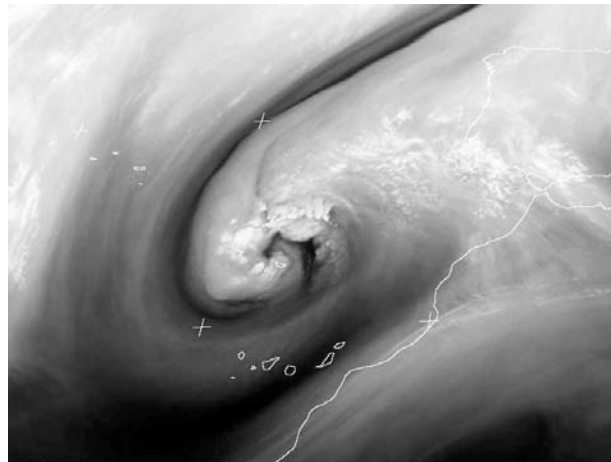


Topografía del NOAA de la isohipsa de 500 hp, mostrando la situación de la baja al mediodía del martes 13.



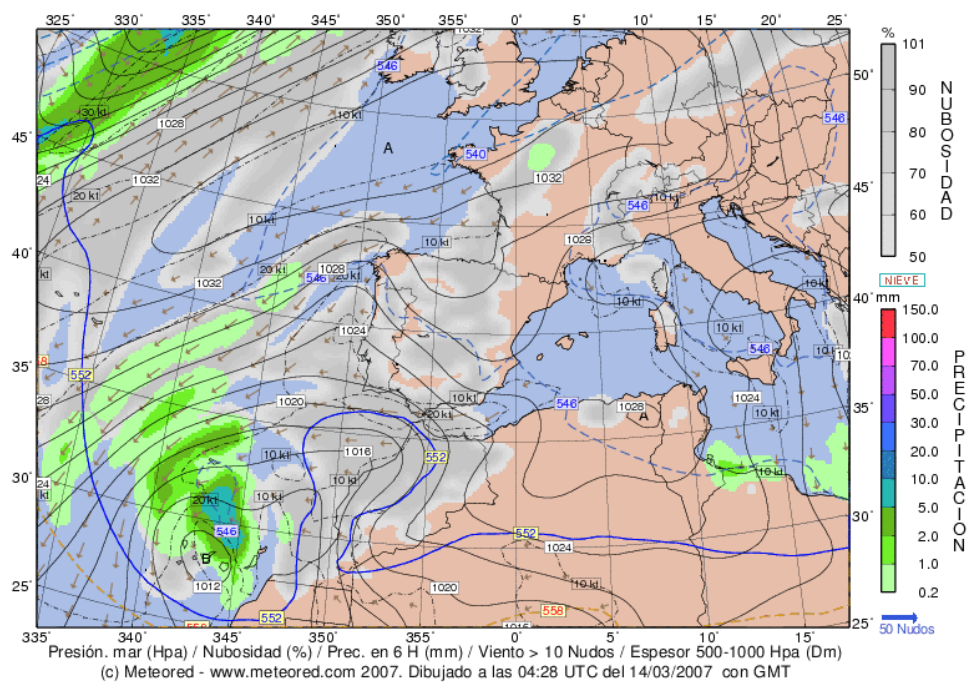
Mapa de superficie y frentes, mostrando un sistema de bajas binarias .

**Campos e imágenes miércoles 14 de marzo.**



**Imagen de vapor de agua de la perturbacion, acercandose a las islas.**

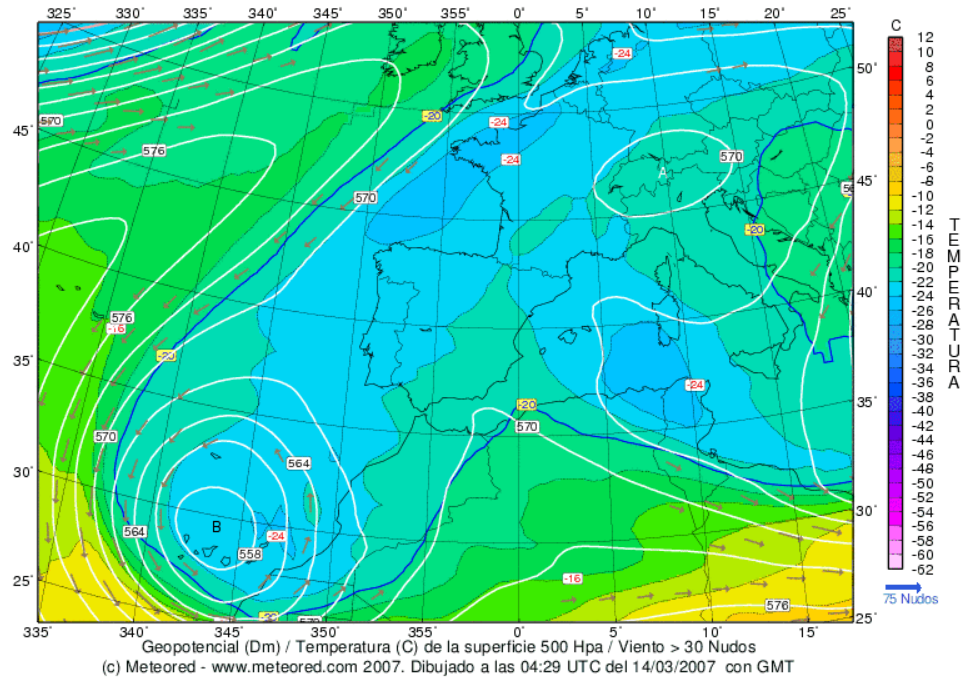
Modelo GFS. 00 UTC del 14/03/2007. Pronóstico válido a las 06 UTC del Mié. 14/03/2007 (H+ 6)



**El miércoles de madrugada la baja esta centrada prácticamente sobre las islas centrales. El viento sera muy flojo del SW sobre GC, haciendo posibles los fenómenos a acontecer.**

# Perturbaciones Significativas : Yaiza

Modelo GFS. 00 UTC del 14/03/2007. Pronóstico válido a las 06 UTC del Wed. 14/03/2007 (H+ 6)

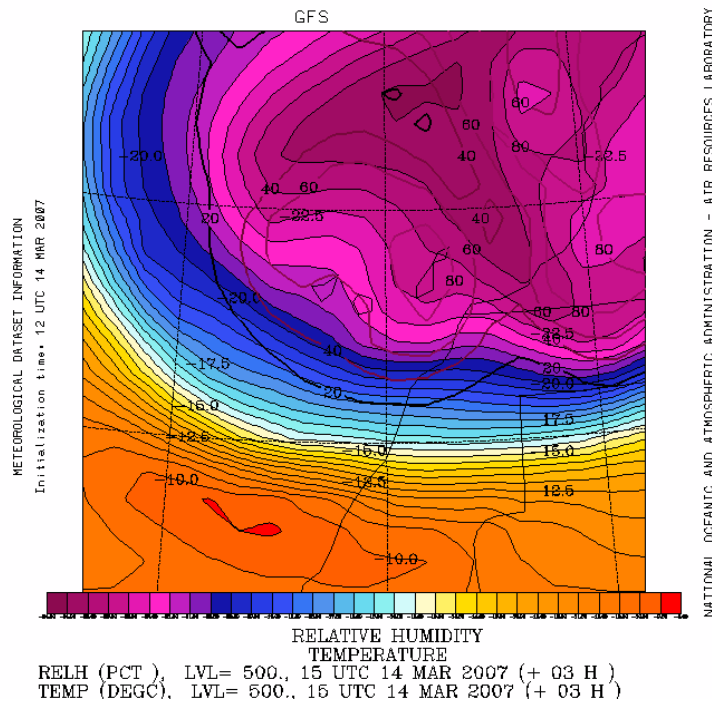


**Mapas del nivel de 500 hp, con la baja acoplada a la depression en SFC, miércoles a las 06 h. En 500 hp se alcanzan los -20 ° C.**



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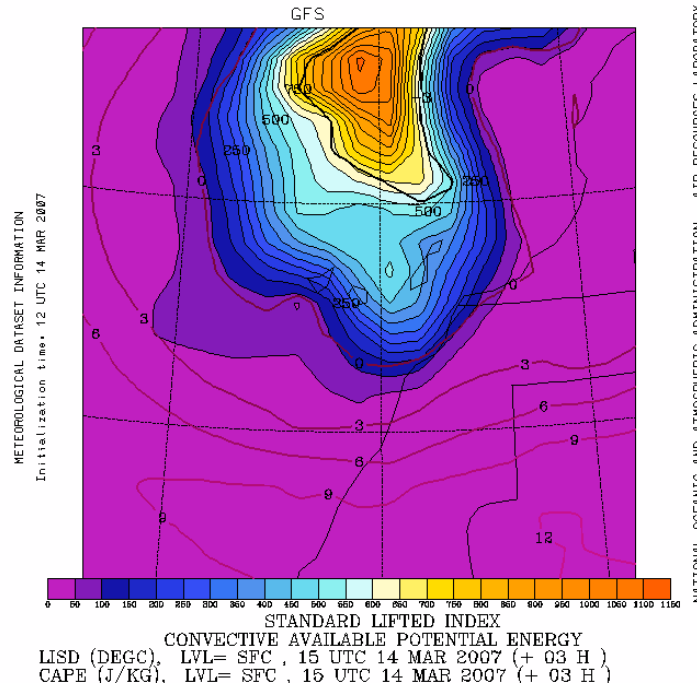


# Perturbaciones Significativas : Yaiza



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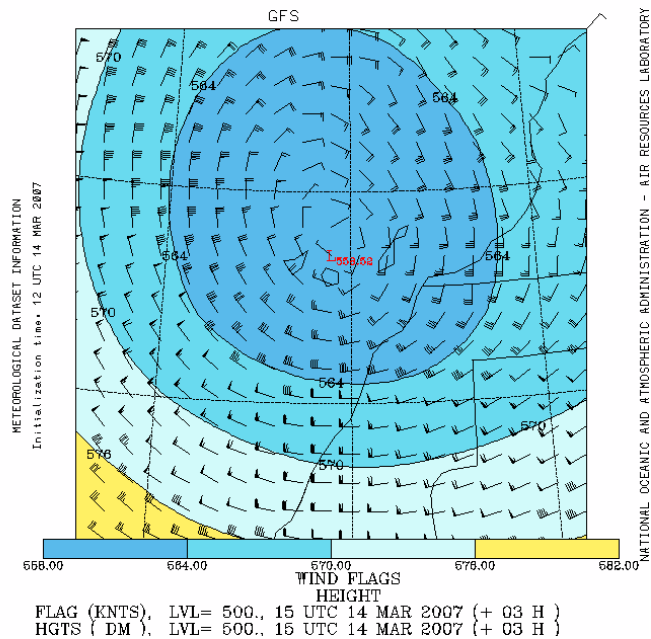


## Distribución de los CAPES a las 15 h del día 14, y mapa de Geopotencial en 500hp.



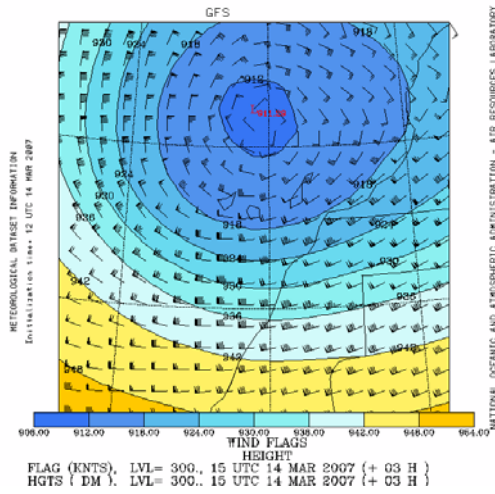
NOAA Air Resources Laboratory

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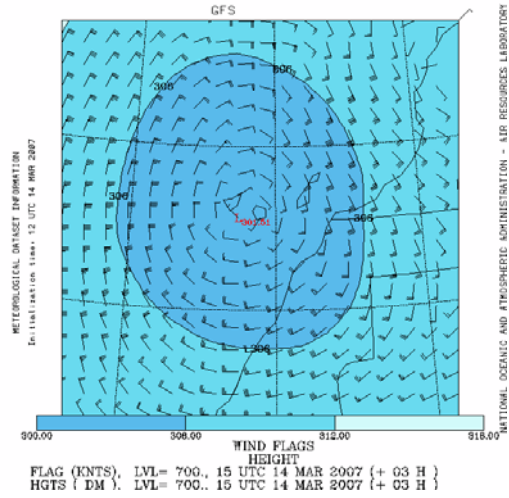


# Perturbaciones Significativas : Yaiza

NORR Air Resources Laboratory  
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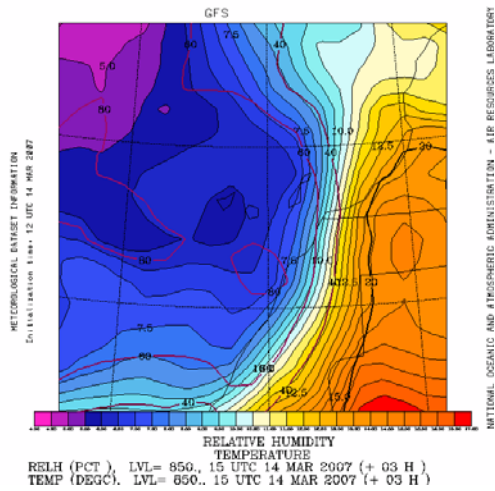


NORR Air Resources Laboratory  
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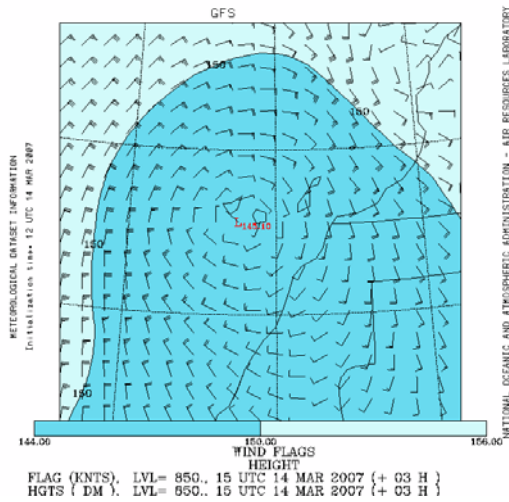


## Campos de 300 hp y 700 hp, geopotenciales.

NORR Air Resources Laboratory  
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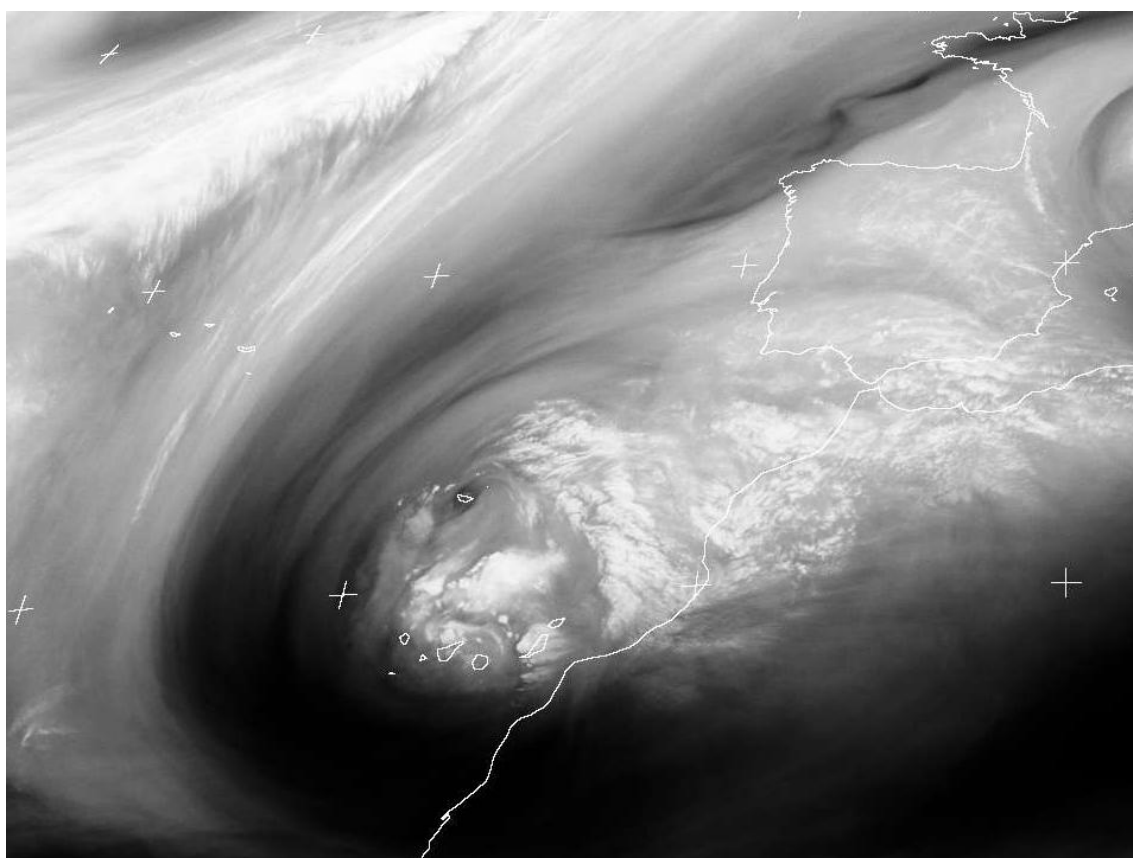
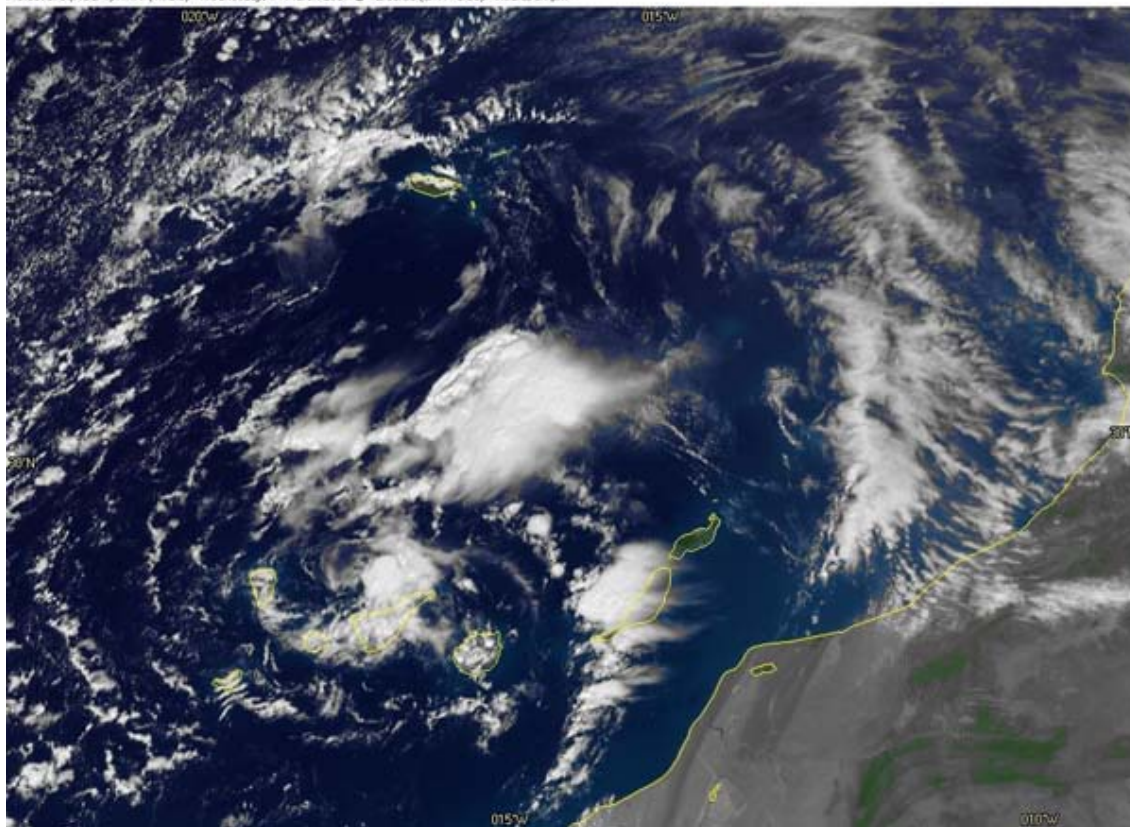
NORR Air Resources Laboratory  
 This product was produced by an Internet user on the NORR Air Resources Laboratory's web site. See the disclaimer for further information (<http://www.arl.noaa.gov/read/discclaim.html>).



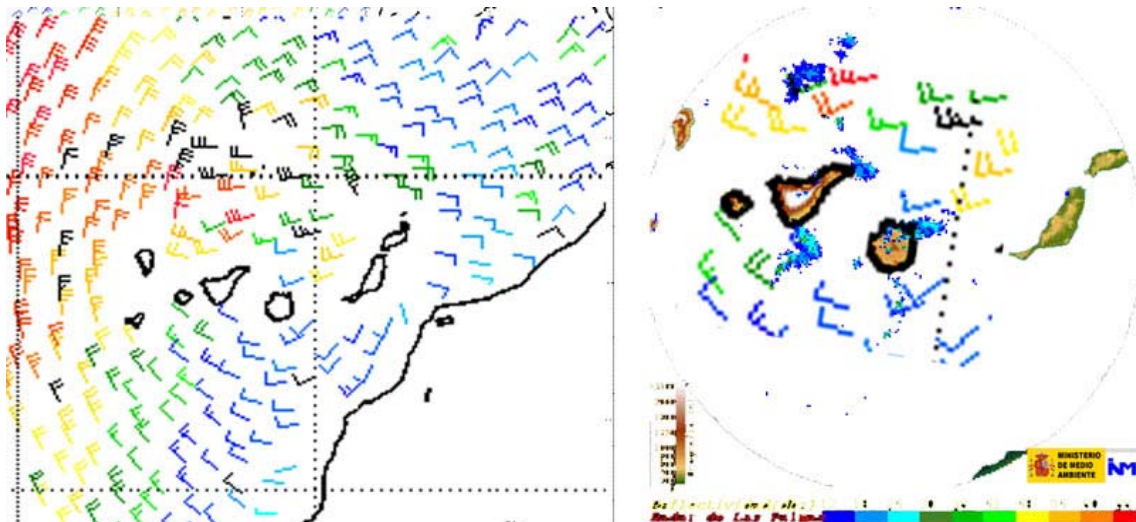
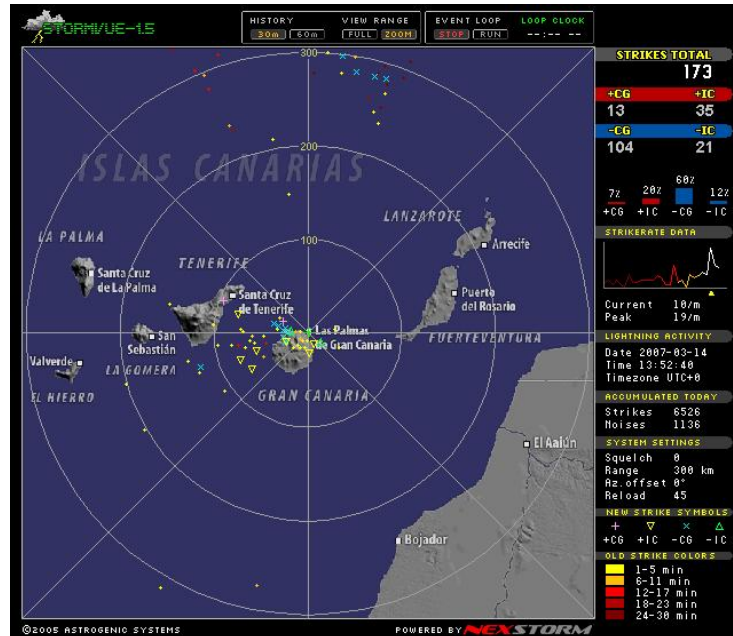
## Campos de 850 hp, geopotencial, temperatura y humedad el mediodía del miércoles 14.

## Perturbaciones Significativas : Yaiza

CanarysHRV.did  
Meteosat 8 (MSG-1) HRIT (visible) - Wednesday, 14 March 2007 @ 12:00:00 (GMT+0:00) - Visible, 0.7µm

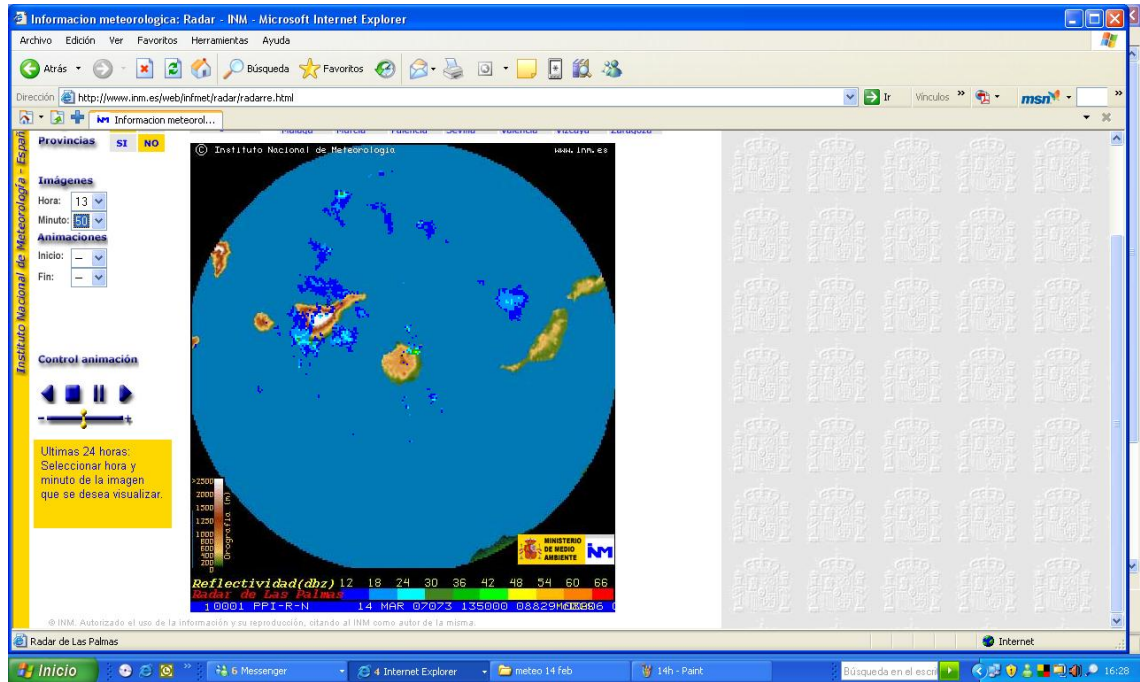


Imágenes visible y vapor de agua del miércoles a las 12h. Observese un gran núcleo tormentoso al N de TF, mientras que sobre GC comienzan a formarse activos CBS. Otra tormenta se debilita al W de FV. Abajo salida del detector de rayos de Acanmet.

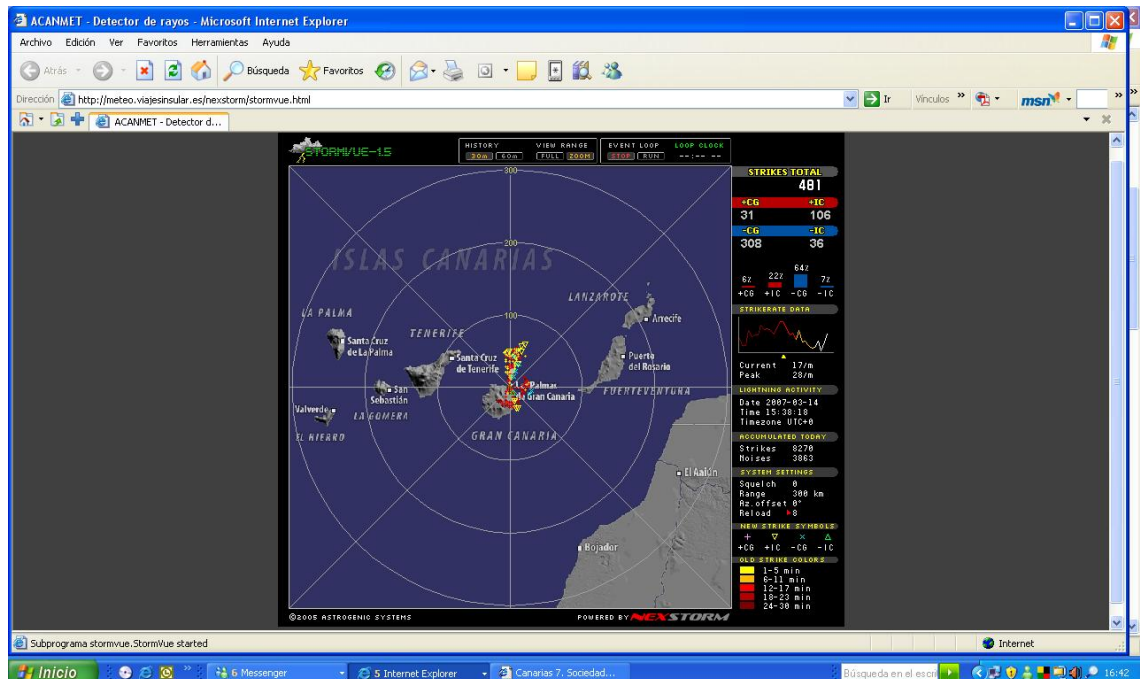


Salida de dispersometría de vientos, asociada a los principales ecos que se reflejan en esos momentos ( tormentas sobre las Palmas, Anaga y sur de TF.) Observese el papel de las convergencias a sotavento en la formación de las tormentas. Cortesía de Sergio Suarez-Acanmet.

## Perturbaciones Significativas : Yaiza



**Salidas de ecos de precipitación al mediodía del miércoles. Tormentas sobre el area metropolitana de las Palmas y N y SW de TF.**



**Momento en que se detectan el mayor numero de descargas sobre GC.**

Con la baja en superficie sobre las islas de GC y TF, en fase con la depresión en altura hasta 500 hp, pronto los desarrollos por evolución diurna se disparan por el S y N de estas islas desde la media mañana del miércoles 14.

A las 13 h un Cumulonimbo ( ver imagen ) comienza a formarse sobre la cumbre de GC, derivando lentamente , impulsado por una suave brisa del SW , hacia el N de esta isla, a la par que se organiza y expande. Alimentado por las brisas que convergen sobre la zona del puerto-isleta, origina un potente tormenta con gran aparato eléctrico que descarga cantidades de hasta 50 l en varios puntos del sur de la capital y afecta a toda la ciudad.

Posteriormente nuevas células se originan en la cumbre, afectando a las medianías de GC durante la tarde con sucesivas tormentas, que remiten a la caída de la noche. Mientras que en TF las tormentas se recrudecen a la caída de la noche, afectando a la zona metropolitana y el norte de la isla con gran espectáculo eléctrico.



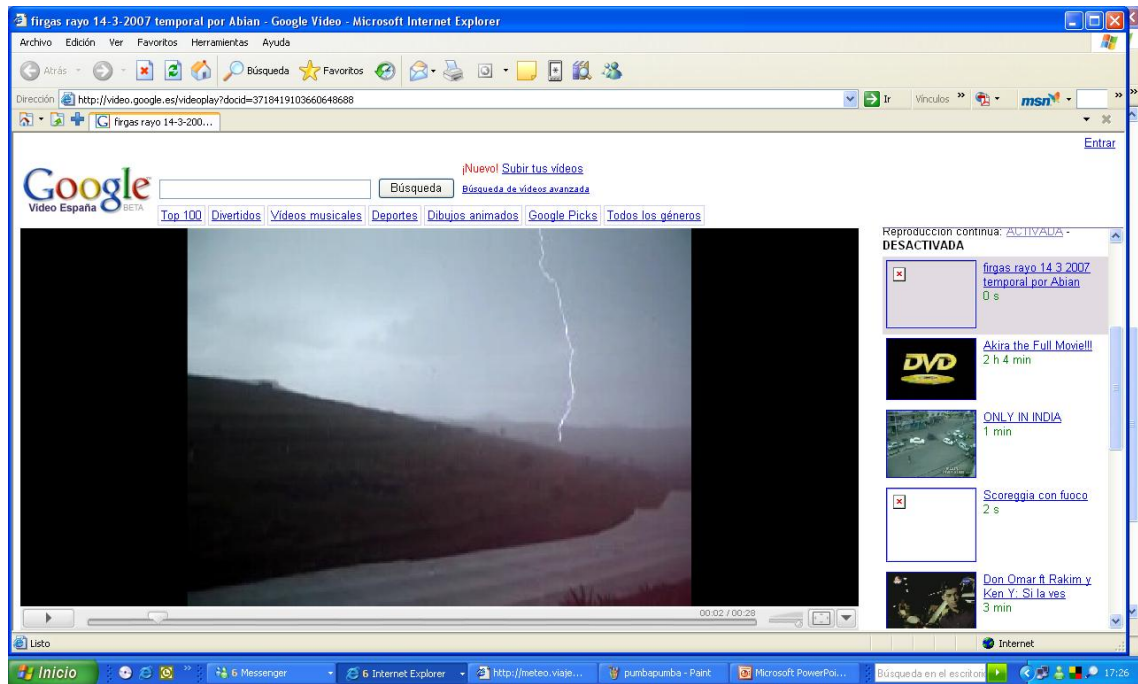
*Perturbaciones Significativas : Yaiza*



**El CB aproximándose a la ciudad; debajo, desde la Isleta. ( Canarias 7 )**



## Perturbaciones Significativas : Yaiza



**Descarga eléctrica en almatriche, mediodía del 14 de marzo, cortesía de Abian. En pagina anterior, imagen de la llegada de la tormenta desde Tafira hasta la capital ( imagen obtenida por la webcam en el diario Canarias7 ). Otro espectacular desarrollo abajo cerca de Santa Cruz de TF.**







**Impresionantes CBS se mueven al NE de la península de Anaga, por fortuna sin llegar a tocar la zona metropolitana de Santa Cruz.**



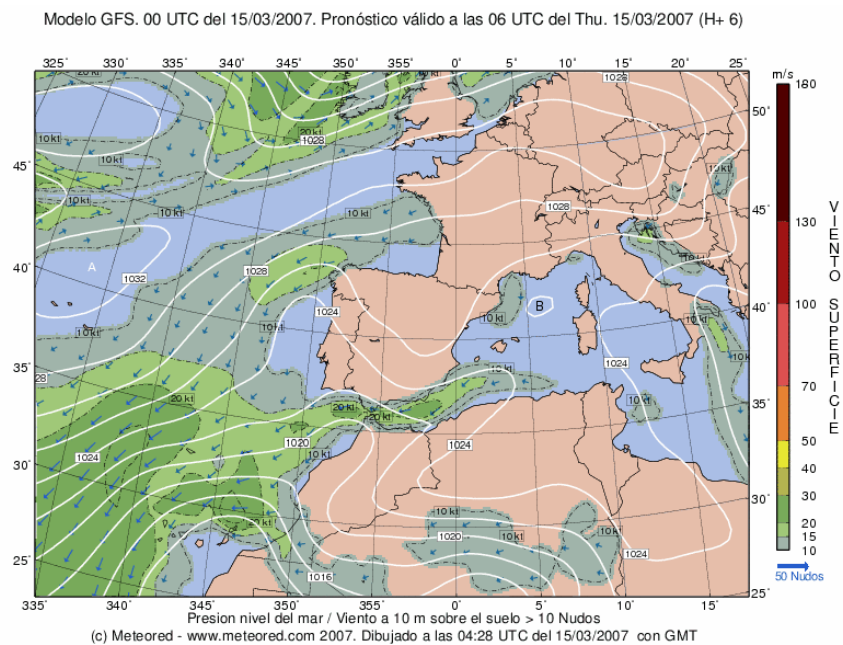
**Efectos de la tormenta en las Palmas.**

## Perturbaciones Significativas : Yaiza



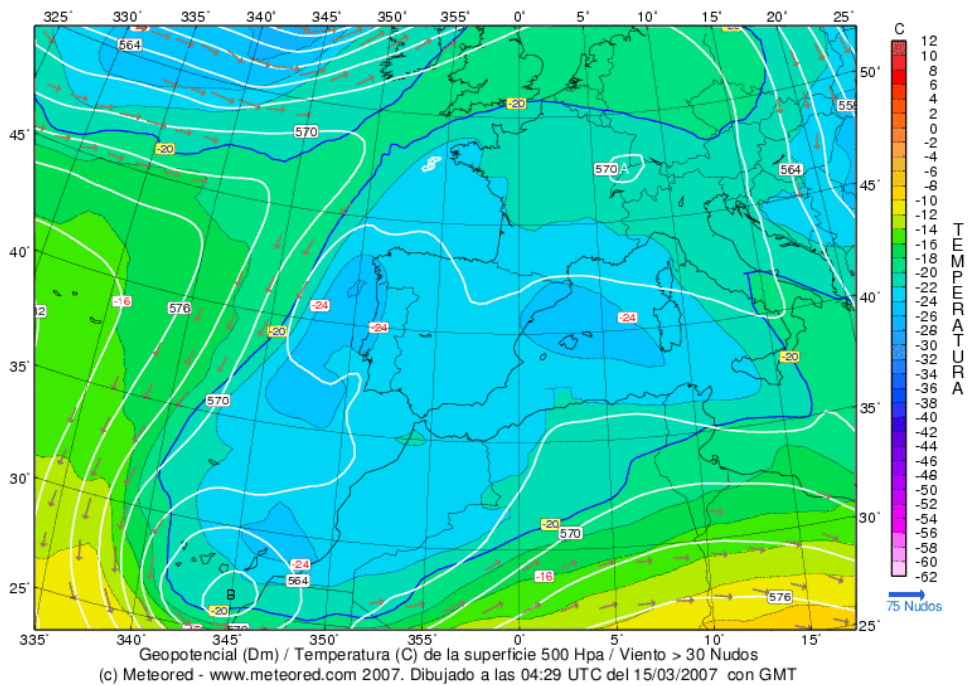
**Nubosidad muy desarrollada sobre FV, ( cortesía de Pedro )**

**Campos e imágenes – jueves 15 de marzo.**

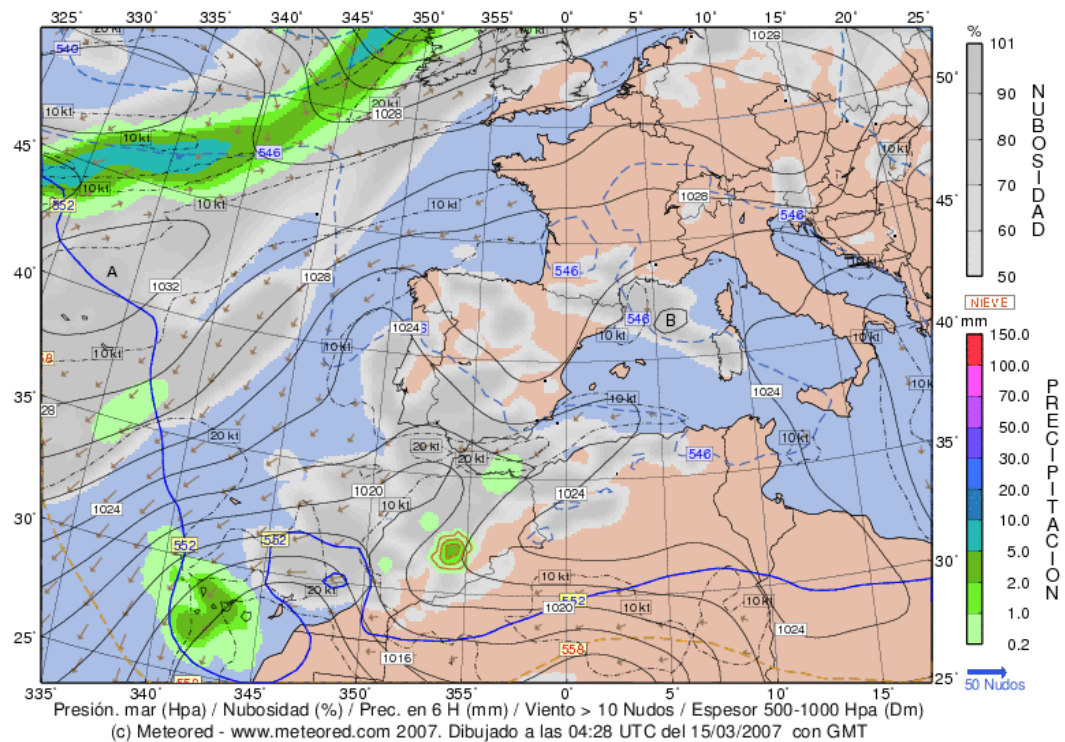


## Perturbaciones Significativas : Yaiza

Modelo GFS. 00 UTC del 15/03/2007. Pronóstico válido a las 06 UTC del Thu. 15/03/2007 (H+ 6)

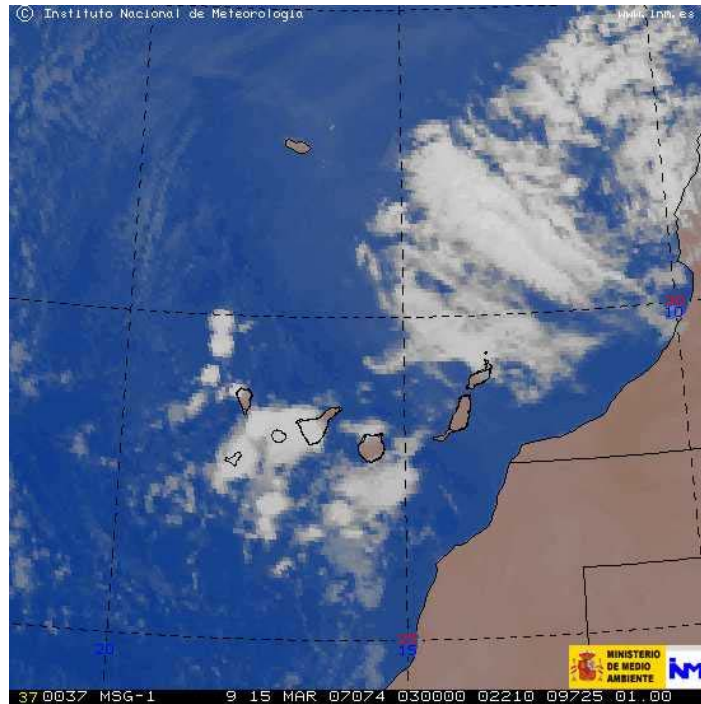


Modelo GFS. 00 UTC del 15/03/2007. Pronóstico válido a las 06 UTC del Jue. 15/03/2007 (H+ 6)

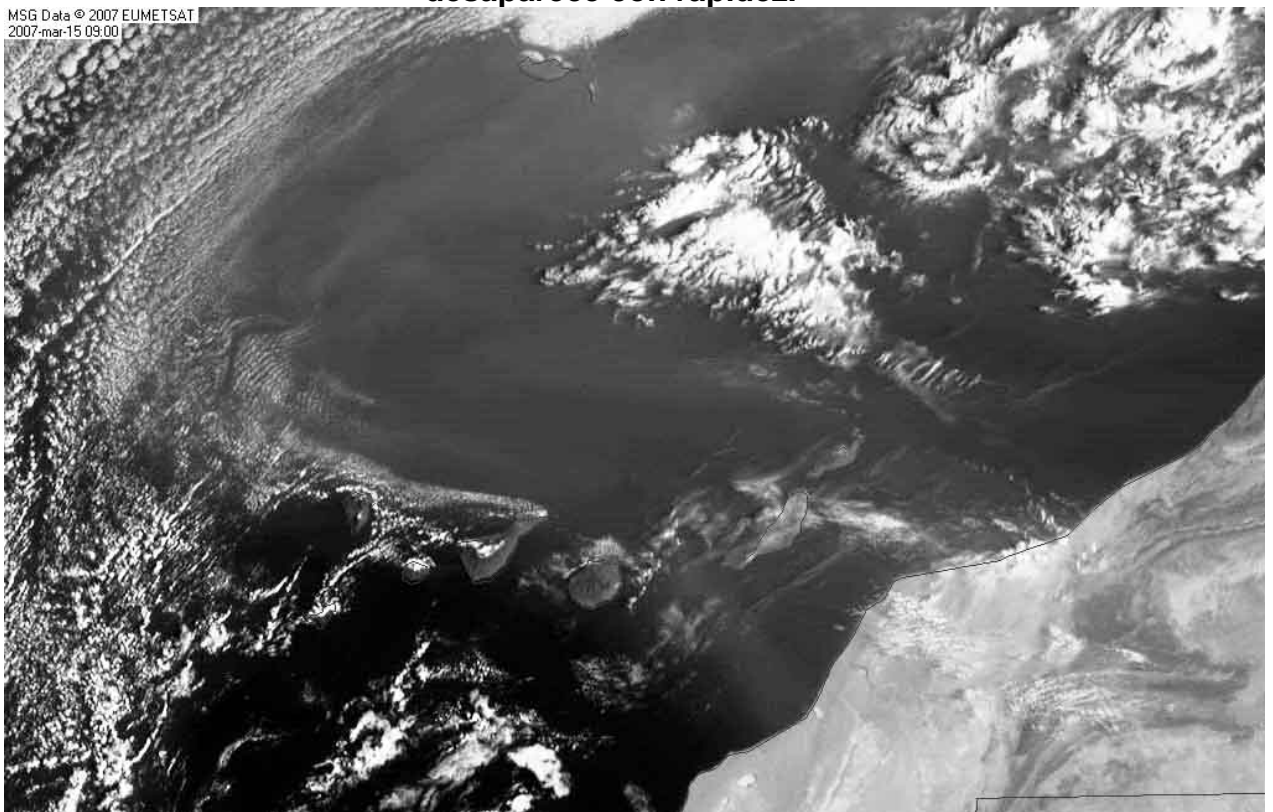


**Algunos chubascos y tormentas se registran en las islas occidentales durante la madrugada. Durante la medianoche de forma inesperada el N de GC se ve afectada por una línea de tormentas, al igual forma que la Gomera.**

## Perturbaciones Significativas : Yaiza



**Al mediodía del 15 , la baja succiona calma sobre las islas, y la nubosidad desaparece con rapidez.**



## TOTALES PRECIPITACION- ESTACIONES DEL FORO CANARIASMET

La Gallega		6	TF
Tegueste	TF 280	53	TF
San Fernando Maspalomas		0,6	GC
Armeñime		26	TF
Telde	GC 210	22	GC
Teror		28	GC
Llanos Aridane		9	LP
Playa Blanca		0,2	LZ
Tejina	TF 260	44	TF
Mazo	LP730	21	LP
Los Realejos		21	TF
La Esperanza	TF 291	42	TF
El Sauzal		32	TF
Barroso	TF 310	47,5	TF
Las Palmas		28,9	GC
San Sebastian		26,3	GO
Breña Alta	LP 710	20,4	LP
San Isidro		10	TF

## TOPICS SOBRE YAIZA EN EL FORO CANARIASMET

Actualidad 13 de marzo

<http://meteo.viajesinsular.es/viewtopic.php?t=5582>

Actualidad 14 de marzo

<http://meteo.viajesinsular.es/viewtopic.php?t=5584>

Actualidad 15 de marzo

<http://meteo.viajesinsular.es/viewtopic.php?t=5593>

Fotografías 14 de marzo

<http://meteo.viajesinsular.es/viewtopic.php?t=5586>

Precipitaciones Yaiza

<http://meteo.viajesinsular.es/viewtopic.php?t=5595>

Análisis Preliminares

<http://meteo.viajesinsular.es/viewtopic.php?t=5570>

## **RESUMEN**

**La perturbación “Yaiza” se considero significativa por:**

- 1. Es un magnifico ejemplo de borrasca debil centrada sobre las islas ,con reflejo muy debil y presencia de temperaturas muy bajas en las capas medias –altas ( Depresion Aislada en Niveles Altos- que por momentos llega a ser depresion en superficie). Esta circunstancia se mantiene por escasas horas (14 de marzo ) pero determina los sectores mas afectados por las lluvias . Al dia siguiente el reflejo desaparece quedando una ondulación del E con la advección de calima subsiguiente.**
- 2. Es de gran interes tecnico la tormenta que se desata sobre el Area Metropolitana de las Palmas, con lluvia muy intensa y acumulados cercanos a los 50 l en la zona del cono sur, lo cual lleva a la comparación con la perturbación “ Gugoy” ( ver ficha correspondiente en archivo ) ocurrida en agosto de 2005. Debido a los factores locales que puedan explicar la ocurrencia de estos fenómenos y cuyo conocimiento puede ser de interes para las autoridades encargadas de la seguridad civil.**

*Perturbaciones Significativas : Yaiza*

**ANEXOS**

**Radiosondeos**

**60018 Guimar-Tenerife Observations at 00Z 13 Mar 2007**

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1005.0	111	15.0	10.9	76	8.21	310	4	287.7	310.9	289.2
1002.0	131	16.8	12.0	73	8.86	355	4	289.8	315.0	291.3
1000.0	145	16.8	11.9	73	8.82	25	4	289.9	315.1	291.5
942.0	650	12.9	9.9	82	8.18	0	0	291.0	314.5	292.5
934.0	722	12.4	9.6	83	8.09	299	1	291.2	314.4	292.6
927.0	785	12.8	5.8	62	6.27	245	2	292.2	310.5	293.3
925.0	803	12.6	4.6	58	5.78	230	2	292.2	309.1	293.2
888.0	1145	11.2	4.2	62	5.85	203	2	294.2	311.4	295.2
870.0	1315	10.8	-4.2	35	3.23	190	2	295.5	305.4	296.1
858.0	1431	10.4	3.4	62	5.73	181	2	296.2	313.3	297.3
850.0	1509	10.2	-0.8	46	4.26	175	2	296.8	309.7	297.6
835.0	1657	10.0	-7.0	30	2.72	193	4	298.1	306.6	298.6
802.0	1990	6.8	-7.2	36	2.79	233	8	298.2	306.9	298.7
790.0	2114	7.8	-17.2	15	1.26	247	9	300.5	304.7	300.8
784.0	2176	7.5	-18.3	14	1.16	255	10	300.9	304.7	301.1
763.0	2398	6.5	-22.1	11	0.86	295	15	302.1	305.0	302.3
717.0	2907	4.2	-30.8	6	0.41	302	22	305.0	306.5	305.1
700.0	3101	2.4	-19.6	18	1.16	305	24	305.1	309.0	305.3
671.0	3441	-0.7	-13.7	37	1.99	301	23	305.4	311.8	305.7
661.0	3559	-1.6	-14.7	36	1.86	300	22	305.7	311.8	306.0
598.0	4346	-7.5	-21.4	32	1.17	270	24	307.7	311.6	307.9
588.0	4479	-8.5	-22.5	31	1.07	273	25	308.0	311.7	308.2
582.0	4558	-8.1	-38.1	7	0.25	275	26	309.4	310.3	309.4
548.0	5019	-11.0	-41.4	6	0.19	285	29	311.3	312.0	311.4
503.0	5675	-15.1	-46.1	5	0.12	266	36	314.0	314.5	314.1
500.0	5720	-15.5	-46.5	5	0.12	265	37	314.1	314.6	314.1
488.0	5899	-16.9	-47.6	5	0.11	260	40	314.6	315.0	314.6
467.0	6222	-19.3	-49.7	5	0.09	260	34	315.6	315.9	315.6
429.0	6846	-24.0	-53.6	5	0.06	270	45	317.3	317.5	317.3
400.0	7360	-27.9	-56.9	5	0.04	260	58	318.6	318.8	318.6
329.0	8736	-39.1	-60.1	9	0.04	253	78	321.6	321.7	321.6
323.0	8863	-37.9	-64.9	4	0.02	252	80	324.9	325.0	324.9
307.0	9212	-40.2	-65.2	5	0.02	250	85	326.4	326.5	326.4
300.0	9370	-41.3	-65.3	6	0.02	250	86	327.0	327.1	327.0
254.0	10468	-50.9	-69.9	9	0.01	255	91	328.8	328.8	328.8
253.0	10493	-51.1	-69.8	9	0.01	255	91	328.8	328.9	328.9
250.0	10570	-51.7	-69.7	10	0.01	255	91	329.1	329.1	329.1
232.0	11050	-54.7	-73.1	8	0.01	250	82	331.6	331.7	331.6
212.0	11629	-58.3	-77.3	7	0.00	250	92	334.7	334.7	334.7
201.0	11968	-55.7	-75.7	7	0.01	255	94	343.9	343.9	343.9
200.0	12000	-55.9	-75.9	6	0.01	255	94	344.1	344.1	344.1
189.0	12357	-57.5	-79.5	4	0.00	255	96	347.1	347.1	347.1
179.0	12702	-54.3	-81.3	2	0.00	255	98	357.8	357.8	357.8
173.0	12918	-55.1	-82.9	2	0.00	255	99	359.9	360.0	359.9
150.0	13820	-58.5	-89.5	1	0.00	255	81	369.1	369.1	369.1
149.0	13861	-58.7	-89.6	1	0.00	255	80	369.4	369.4	369.4
138.0	14336	-61.3	-91.0	1	0.00	270	81	373.1	373.1	373.1
128.0	14801	-63.8	-92.3	1	0.00	255	67	376.6	376.7	376.6
116.0	15411	-67.1	-94.1	1	0.00	255	62	381.3	381.3	381.3
106.0	15957	-67.3	-93.4	1	0.00	255	57	390.9	390.9	390.9
105.0	16014	-67.3	-93.3	1	0.00	254	58	391.9	391.9	391.9
100.0	16310	-66.9	-91.9	2	0.00	250	62	398.2	398.2	398.2
87.4	17116	-70.5	-95.5	2	0.00	272	46	406.6	406.6	406.6
86.0	17212	-70.2	-95.2	2	0.00	275	44	409.0	409.0	409.0
81.0	17570	-69.3	-93.8	2	0.00	260	30	417.9	417.9	417.9

## Perturbaciones Significativas : Yaiza

75.0	18029	-68.1	-92.2	2	0.00	275	29	429.7	429.7	429.7
74.8	18045	-68.1	-92.1	2	0.00			430.1	430.1	430.1

### Station information and sounding indices

```

Station number: 60018
Observation time: 070313/0000
Station latitude: 28.32
Station longitude: -16.38
Station elevation: 111.0
Showalter index: 7.03
Lifted index: 4.02
LIFT computed using virtual temperature: 3.79
SWEAT index: 41.01
K index: 2.90
Cross totals index: 14.70
Vertical totals index: 25.70
Totals totals index: 40.40
Convective Available Potential Energy: 0.00
CAPE using virtual temperature: 0.00
Convective Inhibition: 0.00
CINS using virtual temperature: 0.00
Bulk Richardson Number: 0.00
Bulk Richardson Number using CAPV: 0.00
Temp [K] of the Lifted Condensation Level: 283.25
Pres [hPa] of the Lifted Condensation Level: 917.40
Mean mixed layer potential temperature: 290.34
Mean mixed layer mixing ratio: 8.54
1000 hPa to 500 hPa thickness: 5575.00
Precipitable water [mm] for entire sounding: 15.25

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### 60018 Guimar-Tenerife Observations at 12Z 13 Mar 2007

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1002.0	111	17.8	8.8	56	7.14	185	14	290.8	311.4	292.0
1000.0	124	17.4	8.4	55	6.96	190	8	290.6	310.6	291.8
945.0	601	12.8	7.2	69	6.80	190	16	290.6	310.2	291.8
925.0	782	11.0	6.8	75	6.74	180	17	290.6	310.0	291.7
894.0	1064	8.6	6.1	84	6.63	170	14	290.9	310.1	292.1
859.0	1394	5.8	5.2	96	6.51	175	10	291.3	310.2	292.5
854.0	1443	5.4	5.1	98	6.49	175	8	291.4	310.2	292.5
850.0	1481	5.2	5.1	99	6.52	175	6	291.6	310.5	292.7
797.0	1999	2.1	2.0	99	5.57	0	0	293.7	310.1	294.7
736.0	2639	-1.7	-1.9	99	4.55	235	10	296.3	310.0	297.1
725.0	2760	-2.4	-2.6	99	4.38	210	11	296.8	310.0	297.6
714.0	2883	-3.1	-3.3	99	4.21	235	12	297.3	310.0	298.0
707.0	2962	-3.6	-3.8	99	4.10	255	17	297.6	310.1	298.3
700.0	3042	-4.1	-4.3	99	3.99	260	21	297.9	310.1	298.6
681.0	3259	-5.7	-6.0	98	3.60	264	40	298.5	309.5	299.1
679.0	3282	-3.3	-7.7	72	3.17	265	42	301.4	311.3	302.0
677.0	3305	-2.9	-17.1	33	1.49	265	44	302.1	307.0	302.4
675.0	3329	-2.5	-26.5	14	0.65	265	44	302.8	305.1	302.9
633.0	3835	-5.9	-38.9	5	0.21	264	46	304.6	305.3	304.6
516.0	5396	-19.1	-42.1	11	0.18	261	51	306.9	307.6	306.9
500.0	5630	-20.5	-43.5	11	0.16	260	52	308.0	308.6	308.0
417.0	6940	-30.6	-58.5	5	0.03	250	52	311.4	311.6	311.4
400.0	7240	-32.9	-61.9	4	0.02	255	51	312.1	312.2	312.1
334.0	8480	-43.2	-66.3	6	0.02	255	49	314.6	314.7	314.6
332.0	8521	-43.5	-66.5	6	0.02	256	50	314.7	314.8	314.7
319.0	8789	-44.5	-68.5	5	0.01	260	58	316.9	317.0	316.9
306.0	9068	-44.8	-71.5	3	0.01	270	56	320.3	320.4	320.3
300.0	9200	-44.9	-72.9	3	0.01	265	54	322.0	322.0	322.0
289.0	9449	-45.5	-75.5	2	0.00	265	62	324.5	324.5	324.5
283.0	9589	-45.9	-76.9	2	0.00	262	59	325.9	326.0	325.9



## Perturbaciones Significativas : Yaiza

272.0	9854	-44.1	-76.6	2	0.00	255	53	332.2	332.2	332.2
261.0	10131	-42.3	-76.3	1	0.00	257	62	338.9	338.9	338.9
250.0	10420	-44.5	-75.5	2	0.01	260	72	339.8	339.8	339.8
215.0	11408	-52.0	-82.3	1	0.00	255	97	343.1	343.1	343.1
203.0	11785	-54.9	-84.9	1	0.00	265	104	344.2	344.2	344.2
201.0	11848	-54.8	-86.1	1	0.00	265	104	345.4	345.4	345.4
200.0	11880	-54.7	-86.7	1	0.00	265	104	346.0	346.0	346.0
188.0	12276	-54.0	-86.7	1	0.00	280	77	353.2	353.2	353.2
182.0	12483	-53.7	-86.7	1	0.00	273	65	357.1	357.1	357.1
176.0	12697	-53.8	-86.8	1	0.00	265	53	360.3	360.3	360.3
168.0	12995	-54.0	-87.0	1	0.00	245	57	364.8	364.8	364.8
156.0	13469	-54.3	-87.3	1	0.00	245	70	372.1	372.1	372.1
150.0	13720	-54.5	-87.5	1	0.00	250	68	376.0	376.0	376.0
143.0	14027	-54.1	-87.1	1	0.00	257	63	381.8	381.8	381.8
135.0	14391	-56.5	-88.6	1	0.00	265	56	384.0	384.0	384.0
118.0	15240	-62.0	-92.2	1	0.00	260	64	388.8	388.9	388.8
116.0	15348	-62.7	-92.7	1	0.00	264	64	389.4	389.4	389.4
111.0	15618	-63.4	-93.4	1	0.00	275	63	393.0	393.1	393.0
106.0	15902	-64.2	-94.2	1	0.00	275	51	396.8	396.8	396.8
102.0	16138	-64.8	-94.8	1	0.00	260	38	400.0	400.0	400.0
100.0	16260	-65.1	-95.1	1	0.00	255	39	401.7	401.7	401.7
94.0	16634	-67.6	-96.7	1	0.00	240	48	404.0	404.0	404.0
93.2	16686	-67.9	-96.9	1	0.00	242	51	404.3	404.3	404.3
92.0	16763	-68.0	-96.9	1	0.00	245	55	405.7	405.7	405.7
84.0	17308	-68.5	-97.1	1	0.00	275	39	415.2	415.2	415.2
80.0	17600	-68.8	-97.2	1	0.00	280	24	420.5	420.5	420.5
78.0	17751	-69.0	-97.2	1	0.00	265	20	423.2	423.2	423.2
77.0	17829	-69.0	-97.2	1	0.00	250	23	424.6	424.6	424.6
74.0	18066	-69.3	-97.3	1	0.00	260	35	429.0	429.0	429.0
73.8	18083	-69.3	-97.3	1	0.00	261	35	429.3	429.3	429.3
72.0	18231	-68.1	-96.5	1	0.00	275	30	434.9	434.9	434.9
70.0	18400	-66.7	-95.7	1	0.00	270	31	441.4	441.4	441.4
69.0	18488	-66.4	-95.5	1	0.00	270	34	443.8	443.8	443.8
67.0	18668	-65.9	-95.0	1	0.00	280	34	448.7	448.7	448.7
63.0	19044	-64.7	-94.1	1	0.00	295	18	459.2	459.2	459.2
62.0	19142	-64.4	-93.9	1	0.00	290	12	461.9	461.9	461.9
57.0	19656	-62.9	-92.6	1	0.00	285	17	476.7	476.7	476.7
55.0	19874	-62.2	-92.1	1	0.00	310	10	483.1	483.1	483.1
53.5	20043	-61.7	-91.7	1	0.00	278	9	488.1	488.1	488.1
50.0	20460	-62.9	-92.9	1	0.00	200	7	494.8	494.8	494.8
49.1	20572	-63.1	-93.1	1	0.00	228	6	496.9	496.9	496.9
45.0	21111	-62.8	-92.8	1	0.00	0	0	510.2	510.2	510.2
40.0	21839	-62.4	-92.4	1	0.00	135	10	528.8	528.8	528.8
39.3	21948	-62.3	-92.3	1	0.00	149	10	531.6	531.6	531.6
38.0	22160	-60.9	-91.3	1	0.00	175	11	540.3	540.3	540.3
34.0	22861	-56.3	-87.9	1	0.01	315	10	569.8	569.8	569.8
33.0	23050	-55.1	-87.0	1	0.01	290	13	577.9	578.0	577.9
32.7	23107	-54.7	-86.7	1	0.01	297	15	580.5	580.5	580.5
32.0	23246	-54.7	-86.7	1	0.01	315	20	584.0	584.1	584.1
30.0	23660	-54.7	-86.7	1	0.01	320	10	594.9	595.0	594.9
28.0	24108	-53.6	-86.0	1	0.01	280	2	609.8	609.9	609.8
25.0	24843	-51.8	-84.7	1	0.01	275	10	635.0	635.1	635.0
22.0	25672	-49.8	-83.3	1	0.02	310	23	664.6	664.8	664.6
21.0	25974	-49.1	-82.8	1	0.02	300	21	675.7	675.9	675.7
20.0	26290	-48.3	-82.3	1	0.02	330	11	687.6	687.8	687.6
19.0	26630	-47.9	-82.0	1	0.03	295	15	699.1	699.4	699.1
18.0	26988	-47.4	-81.7	1	0.03	315	16	711.5	711.8	711.5
17.0	27366	-46.9	-81.4	1	0.03	10	10	724.8	725.1	724.8
16.0	27768	-46.4	-81.0	1	0.04	140	10	739.2	739.5	739.2
15.0	28195	-45.8	-80.7	1	0.04	205	15	754.8	755.2	754.8
14.5	28420	-45.5	-80.5	1	0.04			763.1	763.6	763.1

### Station information and sounding indices

Station number: 60018  
 Observation time: 070313/1200  
 Station latitude: 28.32

## Perturbaciones Significativas : Yaiza

Station longitude: -16.38  
 Station elevation: 111.0  
 Showalter index: 1.56  
 Lifted index: 1.63  
 LIFT computed using virtual temperature: 1.45  
 SWEAT index: 171.21  
 K index: 30.60  
 Cross totals index: 25.60  
 Vertical totals index: 25.70  
 Totals totals index: 51.30  
 Convective Available Potential Energy: 3.58  
 CAPE using virtual temperature: 4.27  
 Convective Inhibition: -8.65  
 CINS using virtual temperature: -7.61  
 Equilibrium Level: 680.79  
 Equilibrium Level using virtual temperature: 680.78  
 Level of Free Convection: 811.73  
 LFCT using virtual temperature: 811.30  
 Bulk Richardson Number: 0.07  
 Bulk Richardson Number using CAPV: 0.08  
 Temp [K] of the Lifted Condensation Level: 279.38  
 Pres [hPa] of the Lifted Condensation Level: 871.89  
 Mean mixed layer potential temperature: 290.56  
 Mean mixed layer mixing ratio: 6.89  
 1000 hPa to 500 hPa thickness: 5506.00  
 Precipitable water [mm] for entire sounding: 19.86

### 60018 Guimar-Tenerife Observations at 00Z 14 Mar 2007

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	92									
998.0	111	13.2	7.2	67	6.42	230	3	286.5	304.8	287.6
993.0	153	15.8	8.8	63	7.20	223	3	289.5	310.2	290.8
988.0	196	15.8	8.8	63	7.24	217	3	289.9	310.7	291.2
925.0	749	10.8	7.4	80	7.03	130	6	290.4	310.6	291.6
887.0	1097	7.6	5.7	88	6.51	56	5	290.5	309.3	291.7
850.0	1446	4.8	2.0	82	5.23	340	4	291.2	306.4	292.1
848.0	1465	4.6	2.0	83	5.24	335	4	291.1	306.5	292.1
826.0	1680	5.2	0.2	70	4.72	284	8	294.0	308.0	294.8
812.0	1819	4.1	-0.4	73	4.61	250	10	294.2	308.0	295.1
778.0	2166	1.3	-1.8	79	4.32	280	13	294.9	307.8	295.7
774.0	2208	1.0	-2.0	80	4.29	277	13	295.0	307.8	295.7
764.0	2313	1.4	-4.6	64	3.57	270	14	296.5	307.4	297.1
749.0	2472	0.5	-8.9	49	2.61	260	16	297.1	305.3	297.6
742.0	2548	0.0	-11.0	43	2.24	262	16	297.5	304.5	297.9
731.0	2668	0.0	-12.0	40	2.09	265	15	298.7	305.4	299.1
700.0	3013	-3.1	-15.1	39	1.70	275	13	299.0	304.5	299.3
689.0	3138	-3.9	-19.9	28	1.15	280	12	299.5	303.3	299.7
664.0	3429	-6.1	-13.1	58	2.11	248	12	300.2	306.9	300.6
662.0	3452	-6.3	-13.3	58	2.08	245	12	300.2	306.9	300.6
625.0	3900	-10.1	-17.1	57	1.61	274	18	300.9	306.1	301.1
611.0	4072	-11.4	-18.6	55	1.45	285	20	301.3	306.1	301.6
558.0	4763	-16.5	-24.4	50	0.95	270	20	303.2	306.4	303.4
554.0	4818	-16.9	-24.9	50	0.92	273	20	303.4	306.5	303.5
535.0	5079	-18.5	-32.8	27	0.46	285	21	304.5	306.1	304.6
530.0	5149	-18.9	-34.9	23	0.37	279	21	304.8	306.2	304.9
518.0	5318	-20.4	-34.8	26	0.39	265	22	305.0	306.4	305.1
500.0	5580	-22.7	-34.7	33	0.40	265	22	305.3	306.8	305.4
480.0	5871	-25.2	-36.3	35	0.36	275	24	305.8	307.1	305.8
400.0	7170	-36.5	-43.5	48	0.20	265	26	307.5	308.2	307.5
393.0	7291	-37.6	-44.1	51	0.19	260	25	307.6	308.3	307.6
369.0	7723	-41.5	-46.2	60	0.16	265	31	308.0	308.6	308.0
368.0	7742	-41.4	-47.1	54	0.15	270	31	308.3	308.9	308.4
358.0	7929	-40.6	-55.8	18	0.06	255	37	311.8	312.1	311.9

*Perturbaciones Significativas : Yaiza*

354.0	8006	-40.3	-59.3	11	0.04	260	37	313.3	313.4	313.3
346.0	8162	-40.2	-65.1	5	0.02	270	36	315.5	315.5	315.5
338.0	8321	-40.1	-71.1	2	0.01	271	38	317.7	317.8	317.7
300.0	9130	-43.3	-74.3	2	0.01	275	46	324.2	324.2	324.2
299.0	9152	-43.4	-74.4	2	0.01	275	46	324.4	324.5	324.4
287.0	9426	-44.0	-76.0	2	0.00	260	42	327.3	327.3	327.3
250.0	10350	-46.3	-81.3	1	0.00	265	53	337.1	337.1	337.1
244.0	10511	-46.8	-81.7	1	0.00	270	54	338.8	338.8	338.8
227.0	10990	-48.1	-82.7	1	0.00	265	37	343.8	343.8	343.8
200.0	11830	-50.5	-84.5	1	0.00	265	54	352.6	352.6	352.6
197.0	11927	-50.7	-84.6	1	0.00	265	56	353.8	353.8	353.8
183.0	12401	-51.8	-85.2	1	0.00	265	53	359.6	359.6	359.6
157.0	13387	-54.0	-86.3	1	0.00	270	59	371.9	371.9	371.9
150.0	13680	-54.7	-86.7	1	0.00	260	56	375.6	375.6	375.6
140.0	14117	-56.4	-88.1	1	0.00	265	56	380.1	380.1	380.1
129.0	14635	-58.5	-89.7	1	0.00	265	73	385.3	385.4	385.3
123.0	14937	-59.7	-90.7	1	0.00	272	71	388.4	388.4	388.4
121.0	15041	-59.0	-90.2	1	0.00	275	70	391.6	391.6	391.6
114.0	15417	-56.3	-88.3	1	0.00	271	48	403.3	403.3	403.3
112.0	15528	-57.0	-88.7	1	0.00	270	41	404.0	404.0	404.0
100.0	16240	-61.5	-91.5	1	0.00	260	48	408.6	408.6	408.6
93.0	16682	-63.0	-92.7	1	0.00	275	44	414.2	414.3	414.2
90.0	16882	-63.7	-93.3	1	0.00	280	33	416.8	416.8	416.8
84.0	17303	-65.1	-94.4	1	0.00	250	16	422.2	422.2	422.2
83.0	17376	-65.3	-94.6	1	0.00	240	18	423.2	423.2	423.2
76.9	17841	-66.9	-95.9	1	0.00	270	33	429.2	429.2	429.2
76.0	17912	-66.6	-95.6	1	0.00	270	34	431.3	431.3	431.3
72.0	18239	-65.3	-94.3	1	0.00	300	20	440.8	440.8	440.8
70.2	18393	-64.7	-93.7	1	0.00	278	10	445.3	445.3	445.3
70.0	18410	-64.7	-94.7	1	0.00	275	9	445.6	445.6	445.6
69.0	18497	-65.3	-94.9	1	0.00	230	5	446.1	446.1	446.1
65.2	18840	-67.9	-95.9	1	0.00	230	10	447.8	447.8	447.8
65.0	18858	-67.8	-95.8	1	0.00	230	10	448.5	448.5	448.5
64.0	18952	-67.1	-95.4	1	0.00	255	14	451.9	452.0	451.9
62.0	19145	-65.7	-94.5	1	0.00	255	18	459.1	459.1	459.1
61.0	19244	-65.0	-94.1	1	0.00	270	21	462.9	462.9	462.9
58.0	19551	-62.8	-92.8	1	0.00	300	10	474.6	474.6	474.6
57.9	19561	-62.7	-92.7	1	0.00	300	10	475.0	475.0	475.0
53.0	20103	-63.7	-93.7	1	0.00	275	2	484.9	484.9	484.9
50.0	20460	-64.3	-94.3	1	0.00	250	9	491.5	491.6	491.5
47.0	20838	-65.2	-94.5	1	0.00	235	11	498.1	498.1	498.1
46.2	20943	-65.5	-94.5	1	0.00	247	13	499.9	499.9	499.9
45.0	21106	-63.2	-93.0	1	0.00	265	15	509.2	509.2	509.2
43.0	21387	-59.3	-90.3	1	0.00	255	13	525.5	525.5	525.5
41.0	21688	-58.1	-89.5	1	0.00	315	15	535.6	535.6	535.6
40.0	21845	-57.5	-89.0	1	0.00	325	17	540.9	540.9	540.9
38.0	22169	-56.3	-88.1	1	0.00	25	14	552.0	552.1	552.0
37.1	22321	-55.7	-87.7	1	0.00	83	14	557.3	557.4	557.3
37.0	22338	-55.7	-87.7	1	0.00	90	14	557.7	557.7	557.7
35.0	22691	-56.4	-88.4	1	0.00	145	23	564.9	564.9	564.9
33.0	23065	-57.1	-89.1	1	0.00	160	5	572.6	572.7	572.6
31.3	23401	-57.7	-89.7	1	0.00	152	11	579.7	579.7	579.7
31.0	23462	-57.2	-89.2	1	0.00	150	12	582.5	582.5	582.5
30.0	23670	-55.7	-87.7	1	0.01	185	14	592.2	592.3	592.2
28.5	23998	-53.3	-86.3	1	0.01	256	13	607.6	607.6	607.6
28.0	24113	-53.2	-86.2	1	0.01	280	13	610.9	611.0	610.9
24.1	25080	-52.5	-85.5	1	0.01	280	13	639.7	639.8	639.7
24.0	25107	-52.4	-85.4	1	0.01	280	13	640.8	640.9	640.8
23.0	25385	-51.1	-84.7	1	0.01	245	11	652.4	652.5	652.4
22.0	25676	-49.8	-83.9	1	0.02	275	15	664.6	664.8	664.6
21.0	25980	-48.4	-83.1	1	0.02	285	20	677.7	677.9	677.7
20.5	26137	-47.7	-82.7	1	0.02	278	21	684.5	684.8	684.6
20.0	26300	-48.3	-82.3	1	0.02	270	21	687.6	687.8	687.6
19.0	26639	-47.3	-81.9	1	0.03	275	14	700.8	701.0	700.8
18.4	26851	-46.7	-81.7	1	0.03	254	11	709.1	709.5	709.2
18.0						240	9			

Station information and sounding indices

## Perturbaciones Significativas : Yaiza

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Station number: 60018
Observation time: 070314/0000
Station latitude: 28.32
Station longitude: -16.38
Station elevation: 111.0
Showalter index: 1.94
Lifted index: -0.55
LIFT computed using virtual temperature: -0.68
SWEAT index: 118.01
K index: 17.50
Cross totals index: 24.70
Vertical totals index: 27.50
Totals totals index: 52.20
Convective Available Potential Energy: 97.61
CAPE using virtual temperature: 117.88
Convective Inhibition: -11.30
CINS using virtual temperature: -9.48
Equilibrium Level: 365.37
Equilibrium Level using virtual temperature: 365.28
Level of Free Convection: 861.26
LFCT using virtual temperature: 867.74
Bulk Richardson Number: 5.80
Bulk Richardson Number using CAPV: 7.00
Temp [K] of the Lifted Condensation Level: 280.15
Pres [hPa] of the Lifted Condensation Level: 887.48
Mean mixed layer potential temperature: 289.89
Mean mixed layer mixing ratio: 7.14
1000 hPa to 500 hPa thickness: 5488.00
Precipitable water [mm] for entire sounding: 18.53

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### 60018 Guimar-Tenerife Observations at 12Z 14 Mar 2007

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	84									
997.0	111	15.6	9.6	67	7.58	255	4	289.0	310.6	290.3
992.0	154	16.0	7.0	55	6.37	262	4	289.8	308.2	290.9
925.0	740	10.4	5.9	74	6.33	5	4	289.9	308.2	291.1
900.0	967	8.4	6.3	87	6.69	21	4	290.1	309.4	291.3
859.0	1351	5.6	1.0	72	4.81	49	5	291.1	305.2	292.0
850.0	1437	4.8	0.7	75	4.76	55	5	291.2	305.1	292.0
820.0	1729	2.4	-1.0	78	4.36	71	4	291.6	304.5	292.4
700.0	2993	-4.5	-6.9	83	3.27	140	1	297.5	307.5	298.1
657.0	3489	-7.9	-8.9	93	2.98	182	3	299.1	308.4	299.6
626.0	3864	-9.7	-14.5	68	2.00	214	5	301.2	307.6	301.5
590.0	4319	-13.1	-15.7	81	1.92	254	7	302.4	308.6	302.7
560.0	4714	-15.7	-22.7	55	1.11	288	8	303.8	307.6	304.0
534.0	5071	-17.7	-23.8	59	1.06	320	10	305.6	309.2	305.8
531.0	5114	-17.9	-23.9	59	1.05	315	12	305.9	309.4	306.1
523.0	5226	-18.9	-25.1	58	0.96	300	16	306.0	309.3	306.2
500.0	5560	-21.7	-28.7	53	0.72	290	17	306.5	309.0	306.6
489.0	5723	-23.1	-30.1	53	0.65	290	16	306.8	309.0	306.9
460.0	6164	-26.7	-32.8	56	0.53	290	15	307.7	309.6	307.8
445.0	6403	-28.6	-34.2	59	0.48	310	16	308.2	309.9	308.3
428.0	6684	-30.9	-35.9	61	0.42	310	13	308.7	310.2	308.8
412.0	6952	-33.0	-42.1	40	0.23	310	11	309.4	310.2	309.4
401.0	7143	-34.5	-46.5	29	0.15	337	10	309.9	310.4	309.9
400.0	7160	-34.7	-46.7	28	0.14	340	10	309.8	310.4	309.8
384.0	7443	-37.1	-46.0	39	0.16	355	19	310.3	310.9	310.3
370.0	7700	-39.3	-45.3	53	0.18	347	16	310.7	311.4	310.7
359.0	7906	-41.2	-48.0	48	0.14	340	14	310.9	311.4	310.9
357.0	7944	-41.5	-48.5	47	0.13	340	15	310.9	311.4	310.9
351.0	8059	-42.1	-49.9	42	0.11	340	16	311.6	312.0	311.6
328.0	8516	-44.7	-55.7	28	0.06	303	21	314.1	314.4	314.1
326.0	8558	-43.2	-58.7	17	0.04	300	21	316.7	316.9	316.8

## Perturbaciones Significativas : Yaiza

324.0	8599	-41.7	-61.7	10	0.03	295	25	319.4	319.5	319.4
322.0	8641	-41.7	-66.2	5	0.02	290	29	319.9	320.0	319.9
320.0	8683	-41.7	-70.7	3	0.01	289	31	320.5	320.6	320.5
308.0	8942	-42.8	-75.9	1	0.00	285	43	322.5	322.6	322.5
300.0	9120	-43.5	-79.5	1	0.00	290	39	323.9	323.9	323.9
293.0	9278	-43.8	-79.8	1	0.00	290	31	325.7	325.7	325.7
277.0	9653	-44.5	-80.5	1	0.00	270	38	330.0	330.0	330.0
250.0	10330	-48.5	-82.5	1	0.00	265	53	333.8	333.8	333.8
249.0	10356	-48.7	-82.7	1	0.00	265	53	333.9	333.9	333.9
247.0	10409	-49.1	-83.1	1	0.00	269	54	334.1	334.1	334.1
244.0	10489	-49.2	-83.2	1	0.00	275	55	335.1	335.1	335.1
233.0	10791	-49.8	-83.5	1	0.00	285	51	338.7	338.7	338.7
200.0	11790	-51.5	-84.5	1	0.00	270	58	351.1	351.1	351.1
190.0	12120	-52.1	-85.1	1	0.00	275	64	355.3	355.3	355.3
171.0	12799	-53.4	-86.4	1	0.00	270	56	364.0	364.1	364.0
158.0	13309	-54.3	-87.3	1	0.00	273	49	370.8	370.8	370.8
150.0	13640	-55.9	-87.9	1	0.00	275	45	373.6	373.6	373.6
139.0	14122	-58.3	-89.3	1	0.00	275	41	377.6	377.6	377.6
130.0	14544	-57.3	-89.3	1	0.00	275	38	386.6	386.6	386.6
123.0	14889	-58.6	-90.1	1	0.00	275	35	390.5	390.5	390.5
117.0	15201	-59.7	-90.9	1	0.00	255	39	394.0	394.0	394.0
100.0	16180	-63.3	-93.3	1	0.00	270	43	405.2	405.2	405.2
92.0	16688	-65.1	-94.5	1	0.00	285	36	411.4	411.4	411.4
87.0	17028	-66.3	-95.3	1	0.00	280	25	415.6	415.6	415.6
83.0	17315	-65.5	-94.9	1	0.00	265	27	422.9	422.9	422.9
77.0	17771	-64.2	-94.2	1	0.00	295	30	434.7	434.7	434.7
76.6	17803	-64.1	-94.1	1	0.00	292	29	435.6	435.6	435.6
73.0	18095	-65.5	-95.0	1	0.00	265	19	438.6	438.7	438.6
70.0	18350	-66.7	-95.7	1	0.00	250	20	441.4	441.4	441.4
69.0	18437	-67.1	-96.1	1	0.00	240	22	442.3	442.3	442.3
66.7	18641	-68.1	-97.1	1	0.00	243	27	444.4	444.4	444.4
65.0	18796	-67.8	-96.8	1	0.00	245	30	448.3	448.3	448.3
61.0	19179	-67.2	-96.2	1	0.00	275	23	458.0	458.0	458.0
57.3	19556	-66.5	-95.5	1	0.00	275	21	467.8	467.8	467.8
57.0	19588	-66.2	-95.3	1	0.00	275	21	469.1	469.1	469.1
54.0	19920	-63.6	-93.6	1	0.00	255	14	482.4	482.4	482.4
52.0	20151	-61.8	-92.4	1	0.00	275	14	491.8	491.8	491.8
51.0	20271	-60.9	-91.8	1	0.00	255	8	496.8	496.8	496.8
50.8	20295	-60.7	-91.7	1	0.00			497.8	497.8	497.8

### Station information and sounding indices

Station number: 60018  
 Observation time: 070314/1200  
 Station latitude: 28.32  
 Station longitude: -16.38  
 Station elevation: 111.0  
 Showalter index: 3.79  
 Lifted index: 1.76  
 LIFT computed using virtual temperature: 1.70  
 SWEAT index: 35.38  
 K index: 24.80  
 Cross totals index: 22.40  
 Vertical totals index: 26.50  
 Totals totals index: 48.90  
 Convective Available Potential Energy: 0.91  
 CAPE using virtual temperature: 4.78  
 Convective Inhibition: -17.45  
 CINS using virtual temperature: -13.79  
 Equilibrium Level: 786.83  
 Equilibrium Level using virtual temperature: 769.84  
 Level of Free Convection: 825.58  
 LFCT using virtual temperature: 834.38  
 Bulk Richardson Number: 30.43  
 Bulk Richardson Number using CAPV: 160.27  
 Temp [K] of the Lifted Condensation Level: 278.28  
 Pres [hPa] of the Lifted Condensation Level: 867.56

## Perturbaciones Significativas : Yaiza

Mean mixed layer potential temperature: 289.83  
 Mean mixed layer mixing ratio: 6.41  
 1000 hPa to 500 hPa thickness: 5476.00  
 Precipitable water [mm] for entire sounding: 19.79

### 60018 Guimar-Tenerife Observations at 00Z 15 Mar 2007

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1001.0	111	16.4	11.6	73	8.64	25	15	289.5	314.0	291.0
1000.0	111	17.2	12.3	73	9.06	35	6	290.4	316.2	291.9
951.0	537	13.7	11.7	87	9.13	30	19	291.0	317.1	292.6
925.0	772	11.8	11.3	97	9.17	35	17	291.4	317.6	293.0
921.0	808	11.5	11.0	97	9.05	35	17	291.4	317.3	293.0
850.0	1474	6.2	6.2	100	7.04	50	19	292.6	313.1	293.9
843.0	1542	5.0	4.8	99	6.44	53	19	292.1	310.8	293.2
839.0	1580	4.7	4.5	99	6.34	55	19	292.1	310.6	293.3
790.0	2069	1.0	0.8	99	5.17	105	22	293.3	308.5	294.2
787.0	2100	0.8	0.6	99	5.10	103	21	293.4	308.4	294.3
785.0	2120	2.0	1.5	96	5.46	101	21	294.9	311.0	295.8
776.0	2213	1.2	0.8	97	5.23	95	19	294.9	310.5	295.9
762.0	2359	-0.1	-0.4	98	4.89	115	20	295.1	309.6	295.9
738.0	2616	-2.4	-2.5	99	4.32	105	10	295.3	308.3	296.1
735.0	2648	-2.7	-2.8	99	4.25	104	11	295.3	308.1	296.1
700.0	3035	-4.1	-4.1	100	4.05	95	19	297.9	310.2	298.6
694.0	3102	-4.4	-4.6	99	3.93	95	19	298.3	310.3	299.0
670.0	3377	-5.8	-6.7	93	3.46	115	26	299.7	310.4	300.3
648.0	3638	-7.2	-8.8	88	3.06	95	21	301.1	310.7	301.6
628.0	3883	-8.4	-10.7	84	2.72	115	19	302.4	311.0	302.9
606.0	4161	-9.8	-12.8	79	2.37	95	17	303.8	311.4	304.3
596.0	4291	-10.5	-13.8	77	2.22	98	17	304.5	311.7	304.9
536.0	5100	-16.5	-21.5	65	1.29	116	14	306.7	311.0	306.9
525.0	5255	-17.5	-21.9	69	1.27	120	14	307.3	311.6	307.6
514.0	5413	-18.6	-22.2	73	1.26	65	10	307.9	312.2	308.2
500.0	5620	-19.9	-22.7	78	1.24	75	8	308.7	312.9	308.9
482.0	5890	-22.0	-24.6	79	1.09	125	10	309.4	313.1	309.6
473.0	6028	-23.1	-25.6	80	1.01	129	8	309.7	313.2	309.9
451.0	6375	-25.7	-29.2	72	0.76	140	4	310.7	313.4	310.8
440.0	6551	-27.2	-30.7	72	0.68	145	2	311.0	313.4	311.1
400.0	7230	-32.9	-36.6	69	0.42	30	7	312.1	313.7	312.2
382.0	7545	-35.6	-39.5	68	0.33	25	10	312.7	313.9	312.7
337.0	8401	-43.1	-47.2	64	0.16	15	19	313.9	314.5	313.9
317.0	8819	-46.7	-51.0	62	0.11	355	21	314.4	314.8	314.4
313.0	8906	-47.5	-51.8	61	0.10	340	20	314.5	314.9	314.5
309.0	8992	-44.9	-49.3	61	0.14	318	17	319.2	319.8	319.3
305.0	9079	-44.2	-51.8	43	0.11	295	14	321.4	321.8	321.4
302.0	9145	-43.7	-53.7	32	0.09	284	15	323.0	323.4	323.1
301.0	9168	-43.8	-54.8	28	0.07	280	15	323.2	323.5	323.2
300.0	9190	-43.9	-55.9	25	0.07	280	15	323.4	323.6	323.4
297.0	9257	-44.3	-65.3	8	0.02	281	17	323.7	323.8	323.7
280.0	9650	-45.7	-69.7	5	0.01	288	30	327.2	327.3	327.2
275.0	9769	-45.9	-67.3	7	0.02	290	34	328.6	328.7	328.6
261.0	10115	-46.5	-60.5	19	0.04	271	27	332.7	332.9	332.7
260.0	10141	-46.5	-61.6	16	0.04	270	26	333.0	333.2	333.0
254.0	10295	-46.8	-68.3	7	0.02	260	31	334.9	335.0	334.9
250.0	10400	-46.9	-72.9	4	0.01	265	31	336.2	336.2	336.2
214.0	11424	-48.3	-73.6	4	0.01	290	45	349.3	349.4	349.3
200.0	11870	-48.9	-73.9	4	0.01	285	38	355.2	355.2	355.2
191.0	12168	-50.1	-75.1	4	0.01	280	43	357.9	358.0	357.9
179.0	12589	-51.8	-76.8	3	0.01	295	36	361.9	361.9	361.9
175.0	12735	-52.4	-77.4	3	0.01	285	31	363.2	363.3	363.2
159.0	13356	-54.9	-79.9	3	0.00	275	49	369.1	369.1	369.1
150.0	13730	-53.5	-79.5	3	0.00	290	39	377.7	377.7	377.7
145.0	13948	-54.1	-79.1	3	0.01	281	36	380.3	380.4	380.3
137.0	14307	-56.4	-80.9	3	0.00	265	31	382.4	382.4	382.4

## Perturbaciones Significativas : Yaiza

129.0	14689	-58.9	-82.9	3	0.00	270	41	384.6	384.6	384.6
125.0	14884	-59.4	-83.2	3	0.00	255	39	387.2	387.2	387.2
112.0	15566	-61.1	-84.0	3	0.00	285	38	396.3	396.3	396.3
100.0	16270	-62.9	-84.9	4	0.00	275	40	405.9	405.9	405.9
93.0	16715	-64.3	-86.3	3	0.00	270	41	411.7	411.7	411.7
86.0	17195	-65.8	-87.8	3	0.00	280	47	418.0	418.0	418.0
85.5	17231	-65.9	-87.9	3	0.00	280	46	418.4	418.5	418.4
79.0	17716	-64.1	-86.1	4	0.00	295	29	431.7	431.8	431.7
76.0	17954	-63.2	-85.2	4	0.00	280	19	438.4	438.4	438.4
74.3	18093	-62.7	-84.7	4	0.00	272	20	442.3	442.3	442.3
73.0	18201	-63.1	-85.1	4	0.00	265	20	443.7	443.7	443.7
70.0	18460	-64.1	-86.1	4	0.00	280	26	446.9	446.9	446.9
67.1	18718	-65.7	-86.7	4	0.00	290	31	448.9	448.9	448.9
67.0	18728	-65.7	-86.7	4	0.00	290	31	449.2	449.2	449.2
64.0	19009	-64.1	-85.9	4	0.00	330	15	458.4	458.4	458.4
63.0	19106	-63.6	-85.6	4	0.00	330	10	461.6	461.7	461.6
62.0	19204	-63.1	-85.3	3	0.00	270	2	464.9	465.0	464.9
61.0	19304	-62.5	-85.0	3	0.00	215	10	468.3	468.3	468.3
59.1	19499	-61.5	-84.5	3	0.01	191	18	474.9	474.9	474.9
59.0	19509	-61.5	-84.5	3	0.01	190	18	475.0	475.1	475.0
57.0	19722	-62.5	-85.0	3	0.01	200	24	477.6	477.6	477.6
54.6	19988	-63.7	-85.7	4	0.00	212	18	480.7	480.7	480.7
54.0	20056	-63.5	-85.5	4	0.00	215	17	482.6	482.7	482.6
52.0	20288	-62.9	-84.9	4	0.01	240	11	489.3	489.3	489.3
51.0	20408	-62.6	-84.6	4	0.01	220	14	492.7	492.8	492.7
50.0	20530	-62.3	-84.3	4	0.01	225	12	496.2	496.3	496.2
48.0	20781	-62.9	-84.9	4	0.01	205	4	500.6	500.6	500.6
46.9	20924	-63.3	-85.3	4	0.01	218	6	503.0	503.1	503.0
43.7	21360	-61.5	-83.5	4	0.01	256	12	517.7	517.7	517.7
43.0	21461	-60.1	-82.1	4	0.01	265	13	523.6	523.6	523.6
42.0	21609	-58.0	-80.0	4	0.02	260	10	532.2	532.3	532.2
41.1	21745	-56.1	-78.1	5	0.02	242	13	540.3	540.4	540.3
40.0	21916	-56.6	-78.6	5	0.02	220	16	543.1	543.3	543.1
39.0	22076	-57.1	-79.1	5	0.02	230	10	545.8	546.0	545.8
38.0	22239	-57.6	-79.7	4	0.02	0	0	548.6	548.7	548.6
35.0	22758	-59.3	-81.3	4	0.02	165	10	557.4	557.5	557.4
34.6	22830	-59.5	-81.5	4	0.02	191	12	558.6	558.7	558.6
34.0	22941	-58.5	-80.5	4	0.02	230	16	563.9	564.1	563.9
31.1	23506	-53.7	-75.7	5	0.04	235	22	591.5	591.9	591.5
31.0	23527	-53.8	-75.7	5	0.04	235	22	591.8	592.1	591.8
30.1	23716	-54.9	-75.9	6	0.04	248	20	593.8	594.2	593.8
30.0						250	20			

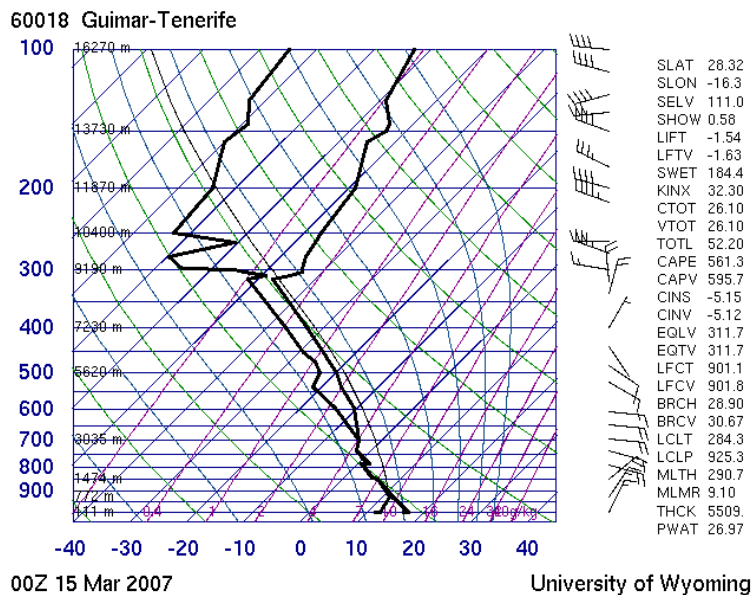
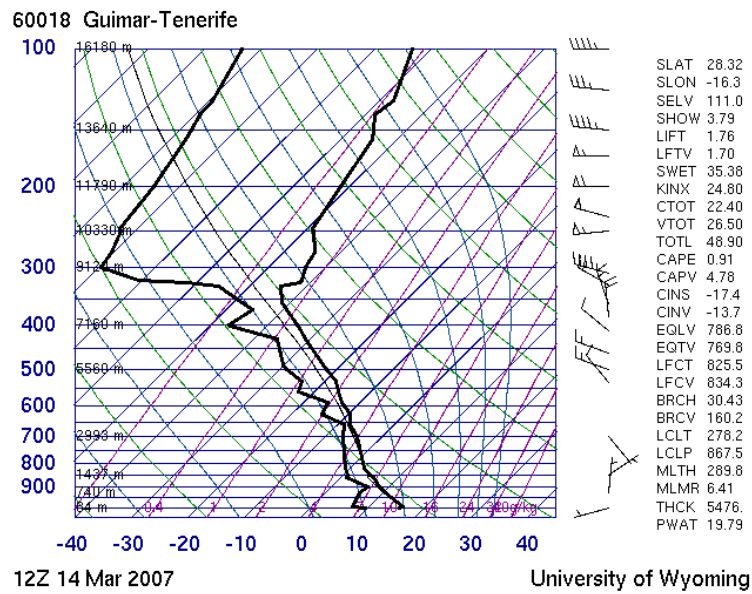
### Station information and sounding indices

Station number: 60018  
 Observation time: 070315/0000  
 Station latitude: 28.32  
 Station longitude: -16.38  
 Station elevation: 111.0  
 Showalter index: 0.58  
 Lifted index: -1.54  
 LIFT computed using virtual temperature: -1.63  
 SWEAT index: 184.40  
 K index: 32.30  
 Cross totals index: 26.10  
 Vertical totals index: 26.10  
 Totals totals index: 52.20  
 Convective Available Potential Energy: 561.31  
 CAPE using virtual temperature: 595.72  
 Convective Inhibition: -5.15  
 CINS using virtual temperature: -5.12  
 Equilibrium Level: 311.78  
 Equilibrium Level using virtual temperature: 311.77  
 Level of Free Convection: 901.14  
 LFCT using virtual temperature: 901.80  
 Bulk Richardson Number: 28.90

## Perturbaciones Significativas : Yaiza

Bulk Richardson Number using CAPV: 30.67  
 Temp [K] of the Lifted Condensation Level: 284.33  
 Pres [hPa] of the Lifted Condensation Level: 925.32  
 Mean mixed layer potential temperature: 290.73  
 Mean mixed layer mixing ratio: 9.10  
 1000 hPa to 500 hPa thickness: 5509.00  
 Precipitable water [mm] for entire sounding: 26.97

### Description of the indices.





## **BIBLIOGRAFIA**

**Fuentes : (webs publicas de Internet)**

**Pagina Principal de READY**

**Web INM**

**Archivo de imágenes EUTMESAT**

**Meteo Villaarriba**

**Foro Canariasmet**

**Sondeos-Universidad de Wyoming**

**Las Fichas de Perturbaciones Significativas son elaboradas por la Comision de Perturbaciones Significativas de la Asociación Canaria de Meteorología, entidad sin animo de lucro, para colaborar en el conocimiento de la meteorología canaria.**

**Mas información sobre ACANMET en <http://www.acanmet.es/menu.htm>**

**Se permite su reproducción si se indica su procedencia.**

**Agradecemos la colaboración de los foreros de Canariasmet al aportarnos su datos e imágenes. Las fotografías son propiedad de sus autores.**