

OBSERVATORIO GEOFISICO DE LOGROÑO

Registro de las observaciones correspondientes al mes de Agosto de 1972.

Naturaleza del terreno: Mioceno Lacustre

Coordenadas geográficas

L = 42° 27' 28"

M = 02° 30' 11",7 Oeste

Z = 445,50 metros

*Pasado a julio*

CONSTANTES DE LOS SISMOGRAFOS

<u>Aparatos</u>	<u>Periodo Péndulo</u>	<u>Periodo Galv.</u>	<u>Amplificación Máxima</u>
Stuttgart-Z	1,30	1,30	7.500
Stuttgart-N	1,30	1,30	6.900
Stuttgart-E	1,30	1,30	7.600



Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	$\Delta$ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS	
252	1	eP	EH	19 24 58	--	--			Sant.97 192516 Ebro.80 192617	
		eP	NH	19 24 58	--	--				
		eP	ZH	19 24 58	--	--	--			
253	2	ePn iSn eS* iSg	EH	13 27 44	--	--		334	Ebro.76 132712 19 150	
				13 28 21	--	--				
				13 28 27	--	--				
				13 28 34	--	--				
		ePn eSn iSg	NH	13 27 44	--	--				
				13 28 21	--	--				
		ZH	Registro interrumpido							
254	2	eP	EH	21 51 05	--	--		9.300	Tl.05 215119 633 9635 Mg.05 215136 639 9680	
			NH	21 51 05	--	--				
		iP ePP	ZH	21 54 19	--	--			Dil.	Sant.97 215107 Ebro.45 215111
				21 51 05	--	--				
255	3	iP ePP	EH	04 53 35	--	--		9.375	Tl.05 045346 636 9700 Mg.05 045402 666 10370	
			NH	04 53 35	--	--				
		iP iPP	ZH	04 53 35	--	--			Dil.	Ebro.80045342 642 9765 Sant.97 045331
				04 56 52	--	--				
		iP ePP		04 53 35	--	--				
				04 56 52	--	--				
256	3	iP	EH	07 12 26	--	--			Tl.47 071238 Mg.47 071253	
		eP	NH	07 12 26	--	--			Ebro.97 071235 Sant.97 071224	
		iP	ZH	07 12 26	--	--		Dil.		
257	3	iP	EH	07 15 54	--	--			Tl.47 071606 Mg.47 071621	
		iP	NH	07 15 54	--	--			Sant.97 071552 Ebro.97 071607	
		iP	ZH	07 15 54	--	--		Dil.		
258	4	eP ePcP ePP	EH	11 49 44	--	--		8.230		
				11 49 59	--	--				
				11 52 31	--	--				
		iP ePcP ePP	NH	11 49 44	--	--				
				11 49 59	--	--				
				11 52 31	--	--				

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Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	$\Delta$ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
258	4	iP iPP	ZH	11 49 44 11 52 31	--- ---	--- ---	Comp.		Mg.55 115012 598 8790 Tl.05 114955 581 8465 Sant.97 114925 Ebro.95 115007
259	4	i(P) i(P) e(P)	EH NH ZH	13 20 05 13 20 05 13 20 05	--- --- ---	--- --- ---	Dil.		
260	4	eP ePP iSKS  eP ePP iSKS  iP ePP iSKS	EH   NH   ZH	18 03 52 18 07 33 18 14 24  18 03 52 18 07 33 18 14 24  18 03 52 18 07 33 18 14 24	--- --- ---  --- --- ---  --- --- ---	--- --- ---  --- --- ---  --- --- ---		10.208	Mg.07 180422 638 10930 Tl.05 180407 634 9665
261	4	eP  eP  eP	EH  NH  ZH	20 21 14  20 21 14  20 21 14	---  ---  ---	---  ---  ---			Mg.22 202131 Sant.97 202118 Ebro.96 202115
262	4	eP  eP  iP	EH  NH  ZH	22 50 14  22 50 14  22 50 14	---  ---  ---	---  ---  ---		Dil.	Mg.35 225028 220 Tl.45 225022 Sant.97 225006 Ebro.46 225015
263	5	eP  eP  eP	EH  NH  ZH	05 51 06  05 51 06  05 51 06	---  ---  ---	---  ---  ---			Mg.21 055126 Sant.97 055115 Ebro.96 055105
264	5	eP  iP  iP	EH  NH  ZH	06 50 37  06 50 37  06 50 37	---  ---  ---	---  ---  ---		Dil.	Mg.21 065052 Tl.70 065045 Ebro.96 065037 Sant.97 065037
265	5	iPg iSg eSn  ePg eSg	EH    NH	12 55 09 12 55 21 12 55 24  12 55 09 12 55 21	--- --- ---  --- ---	--- --- ---  --- ---			

(Continúa...)



Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	$\Delta$ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
265	5	ePg	ZH	12 55 09	--	--	--	106	
266	6	eP	EH	01 22 17	--	--			Tl.80 012222
		eP	NH	01 22 17	--	--			Mg.05 012231 469 6250
		iP	ZH	01 22 17	--	--	Dil		Sant.97 012301
									Ebro.80 012202 444 580
267	6	ePKP <sub>1</sub> iPKP <sub>2</sub> ePP	EH	07 34 27 07 34 34 07 37 59	-- -- --	-- -- --		16.413	Tl.36 073426
		iPKP <sub>1</sub> ePKP <sub>2</sub> ePP	NH	07 34 27 07 34 34 07 37 59	-- -- --	-- -- --			
		iPKP <sub>1</sub> iPKP <sub>2</sub> ePP	ZH	07 34 27 07 34 34 07 37 59	-- -- --	-- -- --	Comp.		
268	6	ePKP	EH	10 35 15	--	--			Ebro.96 103515
		iPKP	NH	10 35 15	--	--			Mg.10 103529 235 1694
		iPKP	ZH	10 35 15	--	--	Dil.		
269	6	iPKP	EH	15 37 10	--	--			Mg.31 153724 224 16710
		ePKP	NH	15 37 10	--	--			Ebro.96 153710
		iPKP	ZH	15 37 10	--	--	Comp.		
270	6	ePn iSn	EH	17 56 02 17 56 22	-- --	-- --		161	Ebro.76 175624 28 207
		ePn eSn	NH	17 56 02 17 56 22	-- --	-- --			
		ePn eSn	ZH	17 56 02 17 56 22	-- --	-- --	--		
271	7	eP	EH	07 50 55	--	--			
		eP	NH	07 50 55	--	--			
		iP	ZH	07 50 55	--	--	Dil		
272	7	ePKP <sub>1</sub> ePKP <sub>2</sub> ePP	EH	09 44 04 09 44 21 09 47 53	-- -- --	-- -- --		16.840	
		ePKP <sub>1</sub> iPKP <sub>2</sub> ePP	NH	09 44 04 09 44 21 09 47 53	-- -- --	-- -- --			(Continúa....)

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Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	Δ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
272	7	iPKP <sub>1</sub> iPKP <sub>2</sub> ePP	ZH	09 44 04 09 44 21 09 47 53	-- -- --	-- -- --	Dil.		Tl.35 094406 232 16910 Ebro85 094406 238 1708 Mg.10 94410 240 17130 St.97 094400
273	8	ePg iSg iSn  ePg eSg iSn  ePg eSg iSn	EH   NH  ZH	18 31 26 18 31 41 18 31 43  18 31 26 18 31 41 18 31 43  18 31 26 18 31 41 18 31 43	-- -- --  -- -- --  -- -- --	-- -- --  -- -- --  -- -- --	   Dil	128	
274	8	eP  eP  iP	EH  NH  ZH	19 18 59  19 18 59  19 18 59	--  --  --	--  --  --	   Dil		Tl.97 191908 Mg.47 191912 Ebro.99 191829
275	9	ePn iSn iSg  ePn iSn eSg  ePn eSn eSg	EH   NH  ZH	19 16 58 19 17 19 <sub>7</sub> 19 17 21 <sub>3</sub>  19 16 58 19 17 20 19 17 21 <sub>3</sub>  19 16 58 19 17 19 <sub>8</sub> 19 17 21 <sub>3</sub>	-- -- --  -- -- --  -- -- --	-- -- --  -- -- --  -- -- --	    --	176	
276	10	eP  eP  eP	EH  NH  ZH	03 29 12  03 29 12  03 29 12	--  --  --	--  --  --	   Dil.		Ebro.99 032912
277	10	ePg iSg  ePg eSg  ePg iSg	EH   NH  ZH	13 55 40 13 55 55  13 55 40 13 55 55  13 55 40 13 55 55	-- --  -- -- --  -- -- --	-- --  -- -- --  -- -- --	   Dil.	128	
278	10	ePg iSg iS* iSn	EH	18 10 10 18 10 19 18 10 21 18 10 24 <sub>5</sub>	-- -- -- --	-- -- -- --		78	

(Continúa.....)



Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	Δ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
278	10	ePg iSg iS iSn	NH	18 10 10 18 10 19 18 10 21 18 10 24.5	--- --- --- ---	--- --- --- ---			
		ePg iSg eS iSn	ZH	18 10 10 18 10 19 18 10 21 18 10 24.5	--- --- --- ---	--- --- --- ---	--		
279	11	iPg iSg eSn	EH	18 07 22 18 07 37 18 07 39	--- --- ---	--- --- ---		130	Ebro.99 180855
		iPg iSg iSn	NH	18 07 22 18 07 37 18 07 39	--- --- ---	--- --- ---			
		iPg iSg iSn	ZH	18 07 22 18 07 37 18 07 39	--- --- ---	--- --- ---	Dil		
280	12	eP	EH	09 54 46	---	---			Tl.30 095459 Mg.31 095513 212 Ebro.97 095453 728
		iP e	NH	09 54 46 09 58 17	---	---			
		iP e	ZH	09 54 46 09 58 17	---	---			
281	12	eP	EH	13 27 53	---	---			Tl.05 132746 597 8820 Mg.05 132744 594 8675 Ebr.80 132807 610 9030 Alm.97 132752 St.97 132725
		eP	NH	13 27 53	---	---			
		iP	ZH	13 27 53	---	---	Comp.		
282	12	iP	EH	23 52 19	---	---			Tl.80 235238 Ebro.95 235155 Mg.97 235225
		iP	NH	23 52 19	---	---			
		iP	ZH	23 52 19	---	---			
283	13	eP	EH	04 42 31	---	---			Tl.45 044211 Ebro.99 044217
		eP	NH	04 42 31	---	---			
		eP	ZH	04 42 31	---	---	--		
284	14	iPn ePg iSn iS*	EH	05 27 27 05 27 33 05 27 56 05 27 58	--- --- --- ---	--- --- --- ---		252	

(Continúa.....)



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Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	Δ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
284	14	ePn iSn	NH	05 27 27 05 27 56	-- --	-- --		252	Ebro.77 052647 6 50
		ePn eSn	ZH	05 27 27 05 27 56	-- --	-- --	--		
285	14	ePn eP* ePg iSn iSg	EH	14 08 16 14 08 34 14 08 52 14 09 42 14 10 29	-- -- -- -- --	-- -- -- -- --		830	Tl.51 140748 74 478 Mg.05 140706 26 220 Alm.05 140702 23 187 Ebro.30 140805 83 795 St.55 140831 172 1640
		ePn eP* ePg iSn iS*	NH	14 08 16 14 08 34 14 08 52 14 09 42 14 10 09 14 10 29	-- -- -- -- -- --	-- -- -- -- -- --			
		ePn iPg iSn eS* iSg	ZH	14 08 16 14 08 52 14 09 42 14 10 09 14 10 29	-- -- -- -- --	-- -- -- -- --	Dil.		
286	17	ePn iSn	EH	05 33 24 05 33 42	-- --	-- --		145	
		ePn iSn	NH	05 33 24 05 33 42	-- --	-- --			
		ePn eSn	ZH	05 33 24 05 33 42	-- --	-- --	--		
287	17	eP	EH	15 03 34	--	--			Tl.30 150327 Mg.80 150328 616
		eP	NH	15 03 34	--	--			
		eP	ZH	15 03 34	--	--	Comp.		
288	18	ePKP iPP ePKS iSKS	EH	00 03 20 00 06 20 00 06 54 00 10 29	ee e-	-- -- -- --		15.540	Tl.10 000328 193 1568 Mg.10 000336 207 1624 Alm.10 000332 197 159 St.10 000324 190 1578 Ebr.85 000320 182 1560
		ePKP iPP ePKS	NH	00 03 20 00 06 20 00 06 54	-- -- --	-- -- --			
		iPKP iPP iPKS eSKS	ZH	00 03 20 00 06 20 00 06 54 00 10 29	-- -- -- --	-- -- -- --	Dil		



Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	$\Delta$ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
289	19	ePn	EH	16 44 40	--	--			
		ePn	NH	16 44 40	--	--			
		ePn	ZH	16 44 40	--	--	Dil.		
290	20	iP	EH	03 06 56	--	--			Mg.47 030732 Tl.47 030716 Ebro.97 030644 St.47 030729 Alm.47 030722
		eP	NH	03 06 56	--	--			
		iP	ZH	03 06 56	--	--	Dil.		
291	21	iP	EH	06 35 24	--	--		8.160	Tl.05 063537 569 8220 Mg.05 063550 573 8240 Alm.05 063546 573 8250 Ebro.47 063527
		ePP		06 38 09	--	--			
		iS		06 44 53	--	--			
		iP	NH	06 35 24	--	--			
		ePcP		06 35 40	--	--			
		ePP		06 38 09	--	--			
iS		06 44 53	--	--					
292	23	iP	ZH	06 35 24	--	--	Dil		
		iPcP		06 35 40	--	--			
		ePP		06 38 09	--	--			
iS		06 44 53	--	--					
292	23	eP	EH	08 59 03	--	--			Tl.30 085915 Alm.47 085932
		eP	NH	08 59 03	--	--			Mg.30 085932 612
		iP	ZH	08 59 03	--	--	Comp.		Ebro.95 085935
293	23	e(P)	EH	16 43 10	--	--			
		e(P)	NH	16 43 10	--	--			
		i(P)	ZH	16 43 10	--	--			
294	25	eP	EH	11 16 40	--	--			Ebro.99 111642
		eP	NH	11 16 40	--	--			
		eP	ZH	11 16 40	--	--	--		
295	26	eP	EH	03 56 20	--	--			Ebro.97 035615
		iP	NH	03 56 20	--	--			
		ZH	Registro interrumpido						
296	26	ePn	EH	09 46 48	--	--		250	Ebro.77 094631 15 128
		iSn		09 47 17	--	--			
		ePn	NH	09 46 48	--	--			
		iSn		09 47 17	--	--			
ePn	eSn	ZH	09 46 48	--	--	--			
				09 47 17					

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Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	Δ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
297	27	ePn	EH	20 37 34	---	---	Dil	133	Ebro.99 203831
		iSn		20 37 51	---	---			
		ePn	NH	20 37 34	---	---			
		iSn		20 37 51	---	---			
		iPn	ZH	20 37 34	---	---			
		iSn		20 37 51	---	---			
298	28	iP	EH	06 07 41	---	---	Comp	4.580	Tl.30 060803 390 4910 Mg.30 060827 409 5155 Ebro.30 060745 376 461 Alm.47 060822 St.47 060752
		iPP		06 09 19	---	---			
		iPcP		06 09 41	---	---			
		eS		06 13 55	---	---			
		iP	NH	06 07 41	---	---			
		iPP		06 09 19	---	---			
		iPcP		06 09 41	---	---			
		eS		06 13 55	---	---			
		iP	ZH	06 07 41	---	---			
		iPP		06 09 19	---	---			
		iPcP		06 09 41	---	---			
		ePcS		06 13 31	---	---			
		eS	06 13 55	---	---				
299	28	ePKP	EH	19 18 01	---	---		Tl.60 191805 Mg.60 191804 292 Ebro.85 191802 287 183	
		ePKP		NH	19 18 01	---			---
		iPKP	ZH	19 18 01	---	---			
300	30	eP	EH	15 25 34	---	---	Dil	Mg.20 152558 Ebro.95 152528	
		eP		NH	15 25 34	---			---
		iP	ZH	15 25 34	---	---			
301	30	eP	EH	19 59 11	---	---	Dil	Tl.20 185920 Mg.20 185930 Ebro.95 185900	
		eP		NH	19 59 11	---			---
		iP	ZH	19 59 11	---	---			
302	30	eP	EH	19 02 57	---	---	Dil	Mg.47 190322 Tl.47 190312 Ebro.97 190251	
		eP		NH	19 02 57	---			---
		iP	ZH	19 02 57	---	---			
303	31	eP	EH	02 36 24	---	---	Dil	Tl.70 023620 Mg.20 023602 Ebro.95 023615	
		eP		NH	02 36 24	---			---
		iP	ZH	02 36 24	---	---			



Núm. de orden	Día	Fase	Componente	Hora TMG	T seg.	Amplitud micrones	Dil. o comp.	$\Delta$ (Km.) (Grad.)	INFORMACIONES COMPLEMENTARIAS
304	31	eP	EH	14 13 35	--	--			Tl.20 141358 St.22 141354 Ebro.95 141332
		iP	NH	14 13 35	--	--			
		iP	ZH	14 13 35	--	--	Dil		
Logroño 26 de Setiembre de 1.972									
E. Maza									

