

GPS datas of collected rock samples :

1 - Samples from possible Impact Structures in Southern-Spain

Sample No.	Photo of place of origin (X = yes)	coordinates of sample origin				precision of position	collection date	Possible shock deform. features						comments	
		Latitude		Longitude				Breccia	Breccia with Mineral Glass	Ejecta-like appearance	Mineral Glass	Spherules	Shatter Cone Structures		
		deg.	minutes	deg.	minutes										
0-A	X	37°	47,724 N	1°	33,781 W	11 m	30.12.2015							ca. 1,5 km before Aledo , Height 625 m	
0-B	X	37°	47,761 N	1°	33,830 W	10 m			x			(x)		Height 642 m	
1-A	X	37°	50,202 N	1°	34,709 W	10 m		x		x			(x)		Height 822 m
1-B	X	37°	50,350 N	1°	34,622 W	15 m		x		x					Height 862 m
2	X	37°	50,651 N	1°	35,960 W	17 m		x		x					ca. 2,5 km from main road, Height 845 m
3	X	37°	53,407 N	1°	43,465 W	10 m		x	x						Height 1063 m
4	X	37°	39,806 N	1°	42,740 W	7 m									ca. 1 km after Tunnel, Height 374 m
5	X	37°	36,377 N	1°	53,693 W	10 m									ca. 8,8 km from Hwy A7
6	X	37°	41,394 N	2°	5,918 W	10 m		x							ca. 6 km from Veliz (near Blanco) Height 1135 m
7	X	37°	43,512 N	2°	13,670 W	15 m		x	x			x		Height 1250 m	
8	X	37°	42,875 N	2°	23,328 W	10 m		x	x						
9 (1)	X	36°	30,614 N	4°	55,309 W	10 m								Note : At position 9 the GPS display suddenly changed considerably ! Therefore value may not be correct ! Both display values 1 & 2 shown ! GPS value from parking area, sample site ca. 200 away ! (beach)	
9 (2)	X	36°	30,444 N	4°	55,174 W	10 m	x								
10	X	36°	26,170 N	5°	9,494 W	10 m								near Estepona, directly up the hill at GALP-fuel-station, Height 60 m	
11	X	36°	8,667 N	5°	20,833 W	30 m			x					Gibraltar Rock (northern end)	
12	X	36°	22,056 N	5°	13,429 W	8 m		x	x					at Manilva (Sabilinas Beach)	
13	X	36°	5,159 N	5°	25,889 W	20 m									
14 (1)	X	36°	4,231 N	5°	31,648 W	12 m		x		x				Note : At position 14 the GPS display suddenly changed considerably ! Therefore value may not be correct ! Both display values 1 & 2 shown !	
14 (2)	X	36°	4,252 N	5°	31,656 W	8 m									
15	X	37°	6,183 N	8°	22,061 W	20 m		x						near Holiday Inn Algarve	
16	X	37°	14,546 N	7°	27,065 W	10 m								near Monte Gordo	
17	X	36°	43,806 N	4°	15,771 W	10 m			x					Height 130 m	
18	X	37°	18,877 N	1°	42,175 W	15 m		x		x			x	crater-wall structure 2, ca. 15 km west from Aquilas, Height 23 m	
19-A	X	37°	26,191 N	1°	28,995 W	8 m			x			(x)		Cabo Cobe (NE)	
19-B	X	37°	26,086 N	1°	28,945 W	10 m		x	x	x				Cabo Cobe; Height 20 m (northern bay)	
20	X	37°	33,626 N	1°	16,876 W	8 m	05.01.2016	x	x	x				at Puerto de Mazzarron	
21	X	37°	33,819 N	1°	18,876 W	11 m	08.04.2016	x	x	x				Cap at Punta Nergra	
22	X	37°	33,747 N	1°	19,038 W	8 m		x	x	x					Cap at Punta Nergra
23	X	37°	33,496 N	1°	16,471 W	10 m		x		x					near Cap de la Cebada
24	X	37°	33,581 N	1°	15,422 W	15 m		x	x	x					Cap de del Puerto (Puerto Mazarron)
25-A	X	37°	34,517 N	1°	13,467 W	8 m		x	x						samples from Beach
25-B	X	37°	34,483 N	1°	13,463 W	10 m		x	x	x					samples from hill top
26	X	37°	33,134 N	1°	10,358 W	8 m		x	x	x					at Cap Punta de la Azohia
27	X	37°	33,517 N	1°	17,085 W	10 m		x	x	x					Cap de la Castellar (Puerto Mazarron), near Hotel Playa Grande
28	X	37°	31,400 N	1°	27,771 W	8 m		x	x	x				x	on the way to crater-wall structure 1
29	X	37°	30,296 N	1°	27,687 W	8 m		x	x	x				x	near top of crater-wall structure 1
30_A	X	37°	25,781 N	1°	29,937 W	6 m		x	x	x					Capo Cobe (SW) - height ~ 13 m
30_B	X	37°	25,708 N	1°	29,882 W	10 m		x	x	x					Capo Cobe (SW) - height ~ 72 m
30_C	X	37°	25,705 N	1°	29,756 W	5 m		x	x	x					Capo Cobe (SW) - height ~ 120 m
31	X	37°	5,941 N	1°	50,839 W	24 m		x	x	x					crater-wall structure 3 (northern edge)
32-A	X	37°	5,317 N	1°	50,999 W	10 m		x	x	x					crater-wall structure 3 (mid section)
32-B	X	37°	5,448 N	1°	50,942 W	16 m	11.04.2016	x	x	x	x			crater-wall structure 3	