

**GPS datas of collected rock samples :**

**1 - Samples from possible Impact Structures on Canary Islands  
Gran Canaria 1 & 2 and Tenerife 1 & 2**

**assumed impact structures :**

**Tenerife** : estimated crater Ø : ~ 15x11 km ( Anaga Crater )

other possible crater : Ø ~ 20x14 km ( Teide Central Crater )

**Gran Canaria** : estimated crater Ø : ~ 20x15 km ( Tejeda Crater )

other possible craters : Ø ~ 10x7 km ( Santa Lucia Crater )

Ø ~ 10x7 km ( Aguimes Crater )

Sample No.	Photo of place of origin (X = yes)	coordinates of sample origin						Height in m	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															
1	X	28°	32,097	N	16°	15,033	W	791	10 m	30.12.2016	x	x	x					<b>Tenerife 1 : Sample No's 1 - 10 ( Anaga Range in NE - Samples 1 to 9 )</b>			
2	X	28°	32,242	N	16°	14,412	W	788	50 m	↓	x		x								
4	X	28°	32,717	N	16°	13,036	W	738(?)	18 m		x		x								
5	X	28°	32,884	N	16°	12,770	W	744	25 m		x	x	x								
6	X	28°	32,823	N	16°	12,415	W	706	23 m		x		x								
7	X	28°	33,696	N	16°	12,386	W	392	8 m		x	x	x						<b>Suevite rock (?)</b>		
8	X	28°	33,989	N	16°	12,814	W	76	ca. 30 m		x								coordinates of this sample site from Google-Earth		
9	X	28°	34,345	N	16°	12,172	W	8	20 m		x	x	x						Playa de Benijo ( bedrock on beach & breccia-pepples ), <b>Suevite (?)</b>		
10	X	28°	3,970	N	16°	40,312	W	284	12 m		31.12.2016	x		x			x		<b>Only sample site in South-East of Tenerife ! ( Roque del Conte / Cabo Blanco ) Chromite rock (?), Suevite (?)</b>		
50		28°	22,478	N	16°	46,724	W	40	≈10 m		21.12.2019				x					<b>Tenerife 2 : Sample No's 50 - 59</b>	
51		28°	21,649	N	16°	47,403	W	648	≈10 m	↓											
52		28°	18,593	N	16°	48,687	W	1025	≈10 m												
53		28°	18,066	N	16°	49,037	W	?	≈10 m					x						mineral glass in rocks	
54		28°	13,505	N	16°	37,819	W	2162	≈10 m		x	x	x							<b>Rock de la Garcia</b>	
55		28°	18,053	N	16°	49,303	W	1041	≈10 m					x						mineral glass in rocks	
56		28°	18,805	N	16°	48,430	W	1118	≈10 m					x						mineral glass in rocks	
57		28°	18,041	N	16°	49,396	W	?	≈10 m		23.12.2019	x	x	x						Mountain near Santiago del Teide	
58		28°	13,160	N	16°	38,083	W	≈2000	≈20 m		11.02.2021									<b>Old Rock Island in Caldera !!</b> mineral glass in rocks ( shock-metamorphed rock ? )	
11	X	28°	6,458	N	15°	42,592	W	5	13 m		28.12.2016			x						<b>Gran Canaria - Trip 1 : ( sample No's 11 - 22 are from Gran Canaria )</b>	
12	X	28°	5,127	N	15°	42,465	W	78	5 m	↓									just south of Porto de las Nieves (Agaete)		
13	X	28°	3,819	N	15°	43,710	W	190	5 m		x		x		x					approx. 12 km south of Agaete	
14	X	28°	1,037	N	15°	37,950	W	1224	20 m		x	x	x							approx. 2 km east of Artenara	
15-A	X	27°	59,450	N	15°	37,901	W	1183	10 m		x	x	x							near Roque Bentayga	
15-B	X	27°	59,440	N	15°	38,038	W	1180	15 m		x	x	x							Roque Bentayga	
16	X	27°	59,421	N	15°	38,339	W	1193	6 m		x		x								
17	X	27°	57,864	N	15°	38,415	W	1378	15 m		x		x								
18	X	27°	58,310	N	15°	39,934	W	1072	10 m		x		x								
19	X	27°	58,586	N	15°	40,238	W	902	15 m		x		x								
20	X	27°	57,807	N	15°	34,245	W	1950	10 m											Pico de las Nieves ( samples lost/disappeared ! )	
21	X	27°	45,487	N	15°	33,907	W	2	7 m		x	x	x							Beach at Mas Palomas (Playa del Ingles)	
22	X	28°	8,492	N	15°	26,128	W	0	8 m		29.12.2016	x								Beach at Las Palmas (Playa de las Canteras)	
23	X	27°	52,624	N	15°	40,220	W	235	5 m		22.03.2019	x	x	x						<b>Gran Canaria- Trip 2 : Sample No's 23 - 40</b>	
24	X	27°	49,873	N	15°	39,635	W	135	6 m		↓										
25	X	27°	57,805	N	15°	34,232	W	1954	12 m	x		x								Pico de la Nieves	
26	X	27°	57,724	N	15°	33,641	W	1911	15 m	x										near Pico de la Nieves	
27	X	27°	58,081	N	15°	36,108	W	1598	10 m	x			x							near Rock Nublo	
28	X	28°	1,468	N	15°	40,544	W	1163	10 m	x		x									
29	X	28°	0,577	N	15°	41,325	W	1048	16 m	x			x								
30	X	27°	59,642	N	15°	41,580	W	518	10 m	x		x									
31	X	27°	59,261	N	15°	41,796	W	636	15 m	x											
32	X	28°	0,344	N	15°	48,974	W	5	12 m	x		x								Puerto des la Altea beach	
33	X	27°	59,933	N	15°	47,657	W	56	10 m	x		x	x								
34	X	28°	0,065	N	15°	49,096	W	5	10 m	x		x								Puerto des la Altea beach	
35	X	27°	55,176	N	15°	33,564	W	770	8 m											assumed crater center Santa Lucia Crater	
36	X	27°	55,034	N	15°	33,355	W	713	8 m	x		x	x							assumed crater center Santa Lucia Crater	
37	X	27°	54,481	N	15°	32,624	W	628	5 m	x		x									
38	X	27°	52,995	N	15°	31,551	W	575	30 m	x		x									
39	X	27°	53,922	N	15°	26,463	W	292	10 m	x		x									assumed crater wall Aguimes Crater
40	X	27°	53,876	N	15°	26,314	W	305	10 m	28.03.2019		x									assumed crater wall Aguimes Crater