## Table of ceasefire violations as of 3 March 2019<sup>1</sup>

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in						,,, cap a=	
Berezove	2-4km SSE	Recorded	4	Projectile	W to E	N/K	1-Mar, 22:12
(government-				3			,
controlled,							
31km SW of	2-4km SSE	Recorded	22	Projectile	W to E	N/K	1-Mar, 22:13
Donetsk)				3			,
SMM camera in	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 18:39
Chermalyk	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 19:07
(government-	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	1-Mar, 19:13
controlled,	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	1-Mar, 19:14
31km NE of	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 19:32
Mariupol)	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	1-Mar, 19:34
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 19:34
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 19:42
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	1-Mar, 19:46
	2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 19:46
	2-4km SSE	Recorded	4	Projectile	E to W	N/K	1-Mar, 20:01
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	1-Mar, 21:17
SMM camera at	300-600m S	Recorded	2	Projectile	WNW to ESE	N/K	1-Mar, 18:26
Donetsk	300-600m S	Recorded	2	Projectile	WNW to ESE	N/K	1-Mar, 18:28
Filtration	300-600m S	Recorded	1	Projectile	WNW to ESE	N/K	1-Mar, 18:49
Station (15km	1-2km SSW	Recorded	4	Projectile	W to E	N/K	1-Mar, 18:52
N of Donetsk)	1-2km SSW	Recorded	1	Projectile	W to E	N/K	1-Mar, 18:54
	1-3km SSW	Recorded	1	Illumination flare	W to E	N/K	1-Mar, 19:06
	1-2km SSW	Recorded	11	Projectile	NW to SE	N/K	1-Mar, 20:59
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	1-Mar, 21:00
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	1-Mar, 22:48
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 23:16
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 00:01
	0.5-1km S	Recorded	1	Projectile	ESE to WNW	N/K	2-Mar, 00:14
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 02:42
	1-2km SSE	Recorded	1	Projectile	W to E	N/K	2-Mar, 02:42
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	2-Mar, 02:42
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 02:43
	1-2km SSE	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 03:12
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	2-Mar, 03:43
	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 05:00
	300-500m S	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 17:37
	200-500m SSW	Recorded	7	Projectile	WNW to ESE	N/K	2-Mar, 17:45
SMM camera 1.5km NE of	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Mar, 18:24
Hnutove (government- controlled,	2-4km ESE	Recorded	1	Projectile	N to S	N/K	1-Mar, 18:24
20km NE of Mariupol)	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	1-Mar, 19:34
SMM camera E	2-4km ENE	Recorded	2	Projectile	S to N	N/K	1-Mar, 20:53

<sup>&</sup>lt;sup>1</sup> The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an "N/K"), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

of Lomakyne	2-4km E	Recorded	2	E1	TT d-4	NI/IZ	1 Mar. 20.50
(government-				Explosion	Undetermined	N/K	1-Mar, 20:59
controlled,	2-4km E	Recorded	1	Projectile	S to N	N/K	1-Mar, 20:59
15km NE of Mariupol)	2-4km E	Recorded	1	Burst	S to N	N/K	2-Mar, 02:56
SMM camera at	1-3km ENE	Recorded	1	Projectile	S to N	N/K	1-Mar, 18:07
entry-exit	1-3km ENE	Recorded	1	Projectile	S to N	N/K	1-Mar, 18:09
checkpoint in	1-3km ENE	Recorded	4	Projectile	S to N	N/K	1-Mar, 18:10
Maiorsk	1-3km ENE	Recorded	4	Projectile	S to N	N/K	1-Mar, 18:11
(government-	1-3km ENE	Recorded	4	Projectile	S to N	N/K	1-Mar, 18:21
controlled,	1-3km ENE	Recorded	1	Projectile	S to N	N/K	1-Mar, 18:22
45km NE of Donetsk)	1-3km ENE	Recorded	1	Projectile	S to N	N/K	1-Mar, 18:24
Donetsk)	1-3km ENE	Recorded	1	Explosion	Impact	N/K	1-Mar, 18:34
	1-3km ENE	Recorded	9	Projectile	S to N	N/K	1-Mar, 18:35
	1-3km ENE	Recorded	1	Projectile	S to N	N/K	1-Mar, 18:36
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	1-Mar, 18:43
	1-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Mar, 19:21
	1-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Mar, 19:35
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 23:33
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 01:10
SMM camera at entry-exit	1-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Mar, 21:01
checkpoint in	1-3km N	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 21:07
Marinka	1-3km NNE	Recorded	1	Projectile	SSE to NNW	N/K	1-Mar, 21:13
(government-	1-3km NNE	Recorded	12	Projectile	SE to NW	N/K	1-Mar, 21:17
controlled,	1-3km NNE	Recorded	3	Burst	SSE to NNW	N/K	1-Mar, 21:24
23km SW of	1-3km NNE	Recorded	1	Projectile	SE to NW	N/K	1-Mar, 21:25
Donetsk)	1-3km NNE	Recorded	3	Projectile	W to E	N/K	2-Mar, 01:48
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	2-Mar, 01:49
SMM camera at	2-4km SSE	Recorded	3	Projectile	E to W	N/K	1-Mar, 19:27
entry-exit	2-4km S	Recorded	1	Projectile	E to W	N/K	1-Mar, 19:27
checkpoint in	2-4km S	Recorded	1	Projectile	W to E	N/K	1-Mar, 19:34
Pyshchevyk	2-4km SSE	Recorded	1	Projectile	E to W	N/K	1-Mar, 19:36
(government- controlled,	2-4km S	Recorded	2	Projectile	E to W	N/K	1-Mar, 19:46
25km NE of	2-4km S	Recorded	4	Projectile	ENE to WSW	N/K	1-Mar, 20:01
Mariupol)	2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 20:04
(Viariapoi)	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 20:05
	2-4km S	Recorded	5	Projectile	ENE to WSW	N/K	1-Mar, 20:22
	2-4km S	Recorded	1	Projectile	E to W	N/K	1-Mar, 20:23
	2-4km S	Recorded Recorded	1	Muzzle flash	Undetermined	N/K N/K	1-Mar, 20:23 1-Mar, 20:25
	2-4km S 2-4km S	Recorded	3	Explosion Projectile	ENE to WSW	N/K	1-Mar, 20:23
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 20:45
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 20:46
	2-4km S	Recorded	4	Projectile	ENE to WSW	N/K	1-Mar, 20:47
	2-4km S	Recorded	2	Projectile	NE to SW	N/K	1-Mar, 20:53
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	1-Mar, 20:54
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 21:49
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	1-Mar, 22:12
	2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 22:42
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 22:42
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	1-Mar, 22:43
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	1-Mar, 23:13
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	1-Mar, 23:37
	2-4km S	Recorded	3	Projectile	W to E	N/K	1-Mar, 23:37
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 23:41
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Mar, 23:44
	2-4km SSE	Recorded	4	Projectile Projectile	W to E	N/K	1-Mar, 23:47
	2-4km S 2-4km S	Recorded Recorded	8 12	Projectile Projectile	W to E In vertical	N/K N/K	2-Mar, 00:02 2-Mar, 00:02
	2-4km S	Recorded	3	Projectile	flight W to E	N/K	2-Mar, 00:06

	2 41 6	I D 1 1		I D	T 177	37/77	2.14 00.22
	2-4km S	Recorded	4	Projectile	W to E	N/K	2-Mar, 00:22
	2-4km S	Recorded	5	Projectile	ENE to WSW	N/K	2-Mar, 00:47
	2-4km S	Recorded	1	Projectile	W to E	N/K	2-Mar, 01:02
	2-4km S	Recorded	1	Projectile	E to W	N/K	2-Mar, 01:44
	2-4km S	Recorded	2	Projectile	E to W	N/K	2-Mar, 02:30
	2-4km S	Recorded	30	Projectile	In vertical flight	N/K	2-Mar, 02:56
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	2-Mar, 03:09
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	2-Mar, 03:11
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	2-Mar, 03:21
	2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	2-Mar, 03:58
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	2-Mar, 18:11
SMM camera in Svitlodarsk (government- controlled, 57km NE of Donetsk)	2-3km E	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 17:55
Oleksandrivka (non- government- controlled, 20km SW of Donetsk)	2-3km NW	Heard	2	Explosion	Undetermined	N/K	2-Mar, 09:17
WNW edge of Petrovskyi district (non-	0.5-1km E	Heard	1	Explosion	Outgoing	N/K	2-Mar, 10:51
government- controlled, 15km SW of Donetsk)	0.5-1km E	Heard	1	Explosion	Outgoing	N/K	2-Mar, 10:52
Trudivski area of Petrovskyi	1-2km WSW	Heard	3	Explosion	Undetermined	N/K	2-Mar, 10:58- 11:01
district (non- government- controlled,	1-2km WSW	Heard	2	Burst		HMG	2-Mar, 11:05
15km SW of Donetsk city centre)	1km WSW	Heard	1	Shot		Small arms	2-Mar, 11:05
Donetsk central railway station	3-4km NW	Heard	181	Burst		Small arms	2-Mar, 08:54- 09:15
(non- government-	3-4km NW	Heard	42	Shot		Small arms	2-Mar, 08:54- 09:15
controlled, 6km NW of	3-4km NW	Heard	94	Explosion	Undetermined	N/K	2-Mar, 08:54- 09:15
Donetsk)	3-4km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 09:35
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 09:48
About 1km NW	2-4km N	Heard	1	Explosion	Undetermined	N/K	2-Mar, 09:28
of the railway	2-4km N	Heard	1	Explosion	Undetermined	N/K	2-Mar, 09:31
station in Yasynuvata	1-2km N	Heard	1	Burst		Small arms	2-Mar, 09:31
(non-	2-4km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 09:38
government-	2-4km SW	Heard	2	Explosion	Undetermined	N/K	2-Mar, 12:43
controlled,	2-4km N	Heard	1	Explosion	Undetermined	N/K	2-Mar, 12:47
16km NE of	2-4km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 12:55
Donetsk)	2-4km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 13:05
	1-2km SW	Heard	4	Shot		Small arms	2-Mar, 13:06
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 13:34
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 13:35
						Small	
Svitlodarsk	1-2km SW	Heard	1	Shot		arms Small	2-Mar, 13:42
(government- controlled,	3-5km WSW 3-5km WSW	Heard Heard	5	Burst Burst		arms Small	1-Mar, 21:35 1-Mar, 21:45-
John Jiron,	2 2KIII 110 11	11cara		Durst	I	Sman	1 17141, 21.43

57km NE of						arms	21:47
Donetsk)	3-5km WSW	Heard	12	Burst		Small arms	1-Mar, 21:50- 21:52
Horlivka (non- government-	6-8km SW	Heard	3	Explosion	Undetermined	N/K	1-Mar, 19:23- 19:27
controlled, 39km NE of	4-6km SW	Heard	2	Burst		HMG	1-Mar, 19:34- 19:35
Donetsk)	6-8km NW	Heard	1	Burst		HMG	1-Mar, 20:48
	6-8km NW	Heard	2	Burst		HMG	1-Mar, 21:03
	6-8km NW	Heard	1	Burst		HMG	1-Mar, 21:11
	4-6km NW	Heard	1	Explosion	Undetermined	N/K	1-Mar, 21:12
	6-8km NW	Heard	1	Explosion	Undetermined	N/K	1-Mar, 22:46
	6-8km NW	Heard	5	Explosion	Undetermined	N/K	2-Mar, 00:34- 00:37
	4-6km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 00:56
	5-8km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 01:16
	6-8km NW	Heard	2	Explosion	Undetermined	N/K	
					Undetermined		2-Mar, 02:16
	4-6km NW	Heard	1	Burst		HMG	2-Mar, 02:39
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	2-Mar, 02:39- 02:40
SMM camera in Zolote (government- controlled, 60km W of Luhansk)	1-3km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	1-Mar, 19:44
,	2-4km E	Recorded	3	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	1-Mar, 20:53
	4-6km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	1-Mar, 21:11
	2-4km SE	Recorded	5	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	1-Mar, 21:50
	1-3km E	Recorded	1	Projectile	W to E (assessed as outside the disengagement area)	N/K	1-Mar, 22:17
	2-4km SE	Recorded	3	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	1-Mar, 23:12
	2-4km E	Recorded	2	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	1-Mar, 23:38
	2-4km SE	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	2-Mar, 03:07
	2-4km E	Recorded	3	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	2-Mar, 04:13

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SMM camera in							
Kriakivka							
(government-	3-5km SW	Recorded	2	Explosion	Undetermined	N/K	1-Mar, 23:04
controlled,	o ciair o v	110001404	_	2proston		1 11 12	1 1/141, 2010 .
38km NW of							
Luhansk)							
Kalynove (non-							
government-			_				2-Mar, 09:16-
controlled,	4-6km W	Heard	2	Explosion	Undetermined	N/K	09:25
60km W of							09.23
Luhansk)							
Kruta Hora							
(non-							
government-	2-3km N	Heard	21	Shot		Small	2-Mar, 09:37-
controlled,	2-3KIII IN	Ticaru	21	Shot		arms	09:42
16km NW of							
Luhansk)							
SMM camera in	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	2-Mar, 19:52
Chermalyk	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Mar, 19:54
(government-	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Mar, 20:45
controlled,	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	2-Mar, 21:11
31km NE of	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	2-Mar, 21:12
Mariupol)	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	2-Mar, 21:45
1 /	3-5km SSE	Recorded	2	Projectile	NNE to SSW	N/K	2-Mar, 22:56
		Recorded	3	Projectile		N/K	2-Mar, 23:38
	3-5km SSE		15	_	NNE to SSW		
	2-4km SSE	Recorded		Projectile	ENE to WSW	N/K	3-Mar, 00:30
	2-4km SSE	Recorded	21	Projectile	WSW to ENE	N/K	3-Mar, 00:33
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	3-Mar, 00:58
	2-4km SSE	Recorded	8	Projectile	NNE to SSW	N/K	3-Mar, 00:58
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	3-Mar, 01:01
	2-4km SSE	Recorded	10	Projectile	ENE to WSW	N/K	3-Mar, 01:25
	2-4km SSE	Recorded	14	Projectile	WSW to ENE	N/K	3-Mar, 01:27
	2-4km SSE	Recorded	16	Projectile	ENE to WSW	N/K	3-Mar, 01:31
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	3-Mar, 01:32
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 01:50
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	3-Mar, 01:52
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	3-Mar, 02:07
	2-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	3-Mar, 02:07
	2-4km SSE	Recorded	12	Projectile	WNW to ESE	N/K	3-Mar, 02:08
	3-5km SSE	Recorded	2	Projectile	ENE to WSW	N/K	3-Mar, 02:15
	2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	3-Mar, 02:32
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	· · · · · · · · · · · · · · · · · · ·
			5			N/K	3-Mar, 02:43
	2-4km SSE	Recorded		Projectile	ENE to WSW		3-Mar, 02:45
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	3-Mar, 03:30
	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	3-Mar, 03:44
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 03:46
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	3-Mar, 03:47
	2-4km SE	Recorded	18	Projectile	ENE to WSW	N/K	3-Mar, 04:31
	4-6km SSE	Recorded	2	Projectile	W to E	N/K	3-Mar, 04:44
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	3-Mar, 05:02
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	3-Mar, 05:03
SMM camera at	0.5-1km SSW	Recorded	5	Explosion	Undetermined	N/K	2-Mar, 17:51
Donetsk	200-500m		-	D : /1		NI/IZ	0 M 17 50
Filtration	SSW	Recorded	5	Projectile	WNW to ESE	N/K	2-Mar, 17:52
Station (15km	200-500m	D		D 1 19	NDW	NI /37	2.34 17.72
N of Donetsk)	SSW	Recorded	1	Projectile	NNW to SSE	N/K	2-Mar, 17:52
, i	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 17:52
	200-500m						
	SSW	Recorded	5	Projectile	WSW to ENE	N/K	2-Mar, 17:52
	200-500m	1					
	SSW	Recorded	1	Projectile	SSE to NNW	N/K	2-Mar, 17:53
	1-2km S	Recorded	1	Projectile	W to E	N/K	2-Mar, 17:53
			1				
	0.8-1km S	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 17:54
	0.8-1km S	Recorded	1	Muzzle flash	TT 1 · · ·	N/K	2-Mar, 17:54
1	0.8-1km S	Recorded	2	Explosion	Undetermined	N/K	2-Mar, 17:55

	1			1		1
0.8-1km S	Recorded	6	Muzzle flash		N/K	2-Mar, 17:55
0.3-1km S	Recorded	2	Projectile	SSE to NNW	N/K	2-Mar, 17:55
0.8-1km S	Recorded	5	Muzzle flash		N/K	2-Mar, 17:56
0.2-1km S	Recorded	4	Projectile	S to N	N/K	2-Mar, 17:56
0.3-1km S	Recorded	1	Projectile	SSW to NNE	N/K	2-Mar, 17:56
0.8-1km S	Recorded	1	Explosion	Impact	N/K	2-Mar, 17:57
0.8-1km S	Recorded	1	Muzzle flash		N/K	2-Mar, 17:57
0.3-1km S	Recorded	3	Projectile	S to N	N/K	2-Mar, 17:59
1-2km S	Recorded	1	Illumination flare	In vertical flight	N/K	2-Mar, 18:00
300-500m SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 18:00
0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 18:01
0.5-1km S	Recorded	1	Muzzle flash		N/K	2-Mar, 18:02
0.2-1km S	Recorded	2	Projectile	S to N	N/K	2-Mar, 18:02
0.2-1km S	Recorded	1	Projectile	N to S	N/K	2-Mar, 18:02
0.3-1km S	Recorded	4	Projectile	S to N	N/K	2-Mar, 18:03
0.3-1km S	Recorded	6	Projectile	NW to SE	N/K	2-Mar, 18:03
0.5-1km S	Recorded	2	Explosion	Impact	N/K	2-Mar, 18:03
0.3-1km S	Recorded	2	Projectile	S to N	N/K	2-Mar, 18:04
0.3-1km S	Recorded	1	Projectile	NW to SE	N/K	2-Mar, 18:04
0.3-1km S	Recorded	6	Projectile	NW to SE	N/K	2-Mar, 18:05
0.3-1km S	Recorded	1	Projectile	S to N	N/K	2-Mar, 18:05
200-500m			·			
SSW 200-800m	Recorded	1	Muzzle flash		N/K	2-Mar, 18:08
SSW	Recorded	4	Projectile	NNW to SSE	N/K	2-Mar, 18:11
0.8-1km S	Recorded	2	Explosion	Impact	N/K	2-Mar, 18:11
50-500m S	Recorded	4	Projectile	WNW to ESE	N/K	2-Mar, 18:12
50-500m S	Recorded	5	Projectile	WNW to ESE	N/K	2-Mar, 18:13
200-800m SSW	Recorded	2	Projectile	NNW to SSE	N/K	2-Mar, 18:30
400-800m S	Recorded	1	Projectile	In vertical flight	N/K	2-Mar, 18:30
0.8-1km S	Recorded	1	Explosion	Impact	N/K	2-Mar, 18:30
200-500m SSW	Recorded	8	Projectile	NW to SE	N/K	2-Mar, 18:40
200-500m SSW	Recorded	3	Projectile	NW to SE	N/K	2-Mar, 18:41
200-500m SSW	Recorded	2	Projectile	NW to SE	N/K	2-Mar, 18:42
0.2-1km S	Recorded	6	Projectile	NW to SE	N/K	2-Mar, 18:45
0.8-1km S	Recorded	2	Muzzle flash		N/K	2-Mar, 18:49
0.8-1km S	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 18:49
0.8-1km S	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 18:50
0.8-1km S	Recorded	2	Muzzle flash		N/K	2-Mar, 18:51
0.8-1km S	Recorded	2	Explosion	Undetermined	N/K	2-Mar, 18:51
0.5-1km S	Recorded	2	Explosion	Impact	N/K	2-Mar, 18:51
0.3-1km S	Recorded	3	Projectile	SSE to NNW	N/K	2-Mar, 18:51
0.3-1km S	Recorded	5	Projectile	SSE to NNW	N/K	2-Mar, 18:52
0.8-1km S	Recorded	2	Explosion	Impact	N/K	2-Mar, 18:52
0.3-1km S	Recorded	4	Projectile	SSE to NNW	N/K	2-Mar, 18:53
0.8-1km S	Recorded	1	Muzzle flash		N/K	2-Mar, 18:53
0.3-1km S	Recorded	3	Projectile	NW to SE	N/K	2-Mar, 18:53
0.3-1km S	Recorded	2	Projectile	NW to SE	N/K	2-Mar, 18:54
0.3-1km S	Recorded	1	Projectile	S to N	N/K	2-Mar, 18:55
0.3-1km S	Recorded	4	Projectile	NW to SE	N/K	2-Mar, 18:55
0.3-1km S	Recorded	2	Projectile	SSE to NNW	N/K	2-Mar, 18:55
0.8-1km S	Recorded	3	Explosion		N/K	2-Mar, 18:55
0.8-1km S	Recorded	2	Explosion	Impact	N/K	2-Mar, 18:55
200-500m SSW	Recorded	2	Explosion	Undetermined	N/K	2-Mar, 18:55
	Recorded	1	Projectile	NW to CE	N/V	2 Mar 19.54
0.3-1km S 0.3-1km S	Recorded Recorded	1 2	Projectile Projectile	NW to SE NW to SE	N/K N/K	2-Mar, 18:56 2-Mar, 18:57
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0.3-1km S	1 () () 11cm ()	Recorded	1	Muzzle flash		N/K	2-Mar, 18:58
0.8-1 km S	0.8-1km S				S to N		
Das-Ham S							· ·
December   Color							
SSW							
Dos-100m		Recorded	1		W to E	N/K	2-Mar, 19:03
1-3km SSW		D1-1	1	Illumination	W4- E	NI/IZ	2 Mar. 10:04
1-3km SSW   Recorded   1   Muzzle flash   N/K   2-Mar, 19:13	SSW	Recorded	1	flare	W to E	N/K	2-Mar, 19:04
0.5-1 km S	1-3km SSW	Recorded	5	Projectile	NW to SE	N/K	2-Mar, 19:04
D.5-1km S	1-3km SSW	Recorded		Muzzle flash		N/K	
200-500m S							
Document   Recorded   Explosion   Undetermined   N/K   2-Mar, 19:19				,			
200-500m   Recorded   Projectile   SE to NW   N/K   2-Mar, 19:20							
Doc-500m   Recorded   2							· ·
SSW         Recorded         2         Projectile         N/K         2-Mar, 19:20           0.8-1km SSW         Recorded         1         Explosion         Impact         N/K         2-Mar, 19:20           200-500m S         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:20           0.5-1km S         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:21           0.5-1km S         Recorded         6         Projectile         W to E         N/K         2-Mar, 19:21           0.3-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:21           0.3-1km SSW         Recorded         3         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         3         Projectile         S to N         N/K         2-Mar, 19:25           0.5-1km S         Recorded         4         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undet		Recorded	6	Projectile	SE to NW	N/K	2-Mar, 19:20
0.8-1km SSW   Recorded   1   Explosion   Undetermined   N/K   2-Mar, 19:20		Recorded	2	Projectile	NW to SE	N/K	2-Mar, 19:20
December   December		Dagordad	- 5	Evalusion	Undetermined	NI/W	2 Mar. 10:20
0.8-1km SSW         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:20           0.5-1km S         Recorded         3         Muzzle flash         N/K         2-Mar, 19:21           0.5-1km S         Recorded         6         Projectile         W to E         N/K         2-Mar, 19:22           300-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:22           0.3-1km SSW         Recorded         5         Projectile         W to E         N/K         2-Mar, 19:22           0.5-1km S         Recorded         3         Muzzle flash         N/K         2-Mar, 19:25           0.5-1km SSW         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         6         Projectile         E to W <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
0.5-1km S         Recorded         3         Muzzle flash         N/K         2-Mar, 19:21           0.5-1km S         Recorded         6         Projectile         W to E         N/K         2-Mar, 19:21           300-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:22           0.3-1km S         Recorded         3         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         3         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         19         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         6         Muzzle flash         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         6         Projectile         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30 <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>				_			
0.5-1km S   Recorded   1   Explosion   Undetermined   N/K   2-Mar, 19:22					WE.		
300-500m S   Recorded   1   Explosion   Undetermined   N/K   2-Mar, 19:22					W to E		
0.3-1km SSW   Recorded   5   Projectile   W to E   N/K   2-Mar, 19:22							
0.3-1km S         Recorded         3         Projectile         S to N         N/K         2-Mar, 19:25           0.5-1km SSW         Recorded         19         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km SSW         Recorded         19         Projectile         W to E         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         6         Projectile         E to W         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km S         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Projectile							
0.5-1km S         Recorded         3         Muzzle flash         N/K         2-Mar, 19:25           0.5-1km S         Recorded         19         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         6         Muzzle flash         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         9         Projectile         NW to SE         N/K         2-Mar, 19:30           0.5-1km S         Recorded         6         Projectile         E to W         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         1         Projectile         NW to E         N/K         2-Mar, 19:31           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>							· · · · · · · · · · · · · · · · · · ·
0.5-1km SSW         Recorded         19         Projectile         W to E         N/K         2-Mar, 19:25           0.5-1km S         Recorded         6         Muzzle flash         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km SSE         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         9         Projectile         NW to SE         N/K         2-Mar, 19:26           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         W to E         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile		Recorded	3				2-Mar, 19:25
0.5-1km S         Recorded         1         Projectile         E to W         N/K         2-Mar, 19:26           0.5-1km SSE         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         9         Projectile         NW to SE         N/K         2-Mar, 19:27           2-4km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1	0.5-1km SSW	Recorded	19	Projectile	W to E	N/K	
0.5-1km SSE         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:26           0.5-1km S         Recorded         9         Projectile         NW to SE         N/K         2-Mar, 19:27           2-4km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         6         Projectile         E to W         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded<	0.5-1km S	Recorded	6	Muzzle flash		N/K	2-Mar, 19:26
0.5-1km S         Recorded         9         Projectile         NW to SE         N/K         2-Mar, 19:27           2-4km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:31           0.5-1km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1	0.5-1km S	Recorded	1	Projectile	E to W	N/K	2-Mar, 19:26
2-4km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:30           0.5-1km S         Recorded         6         Projectile         E to W         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         5         Muzzle flash         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1	0.5-1km SSE	Recorded		Explosion	Undetermined	N/K	
0.5-1km S         Recorded         6         Projectile         E to W         N/K         2-Mar, 19:30           0.5-1km S         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           200-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         NW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:35           2-4km SSW         Recorded         1         Exp							
0.5-1km SW         Recorded         5         Muzzle flash         N/K         2-Mar, 19:30           0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           200-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:33           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recorded         1 <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>				_			
0.5-1km SSW         Recorded         2         Projectile         W to E         N/K         2-Mar, 19:31           200-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded <td></td> <td></td> <td></td> <td>J</td> <td>E to W</td> <td></td> <td></td>				J	E to W		
200-500m S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 19:31           0.8-1km SSW         Recorded         1         Projectile         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:36           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recor							· ·
0.8-1km SSW         Recorded         1         Projectile flight         In vertical flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         1         Explosion         Undetermined N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined N/K         2-Mar, 22:22           2-4km SSW         Recorded         1							
0.8-1km SSW         Recorded         1         Projectile         flight         N/K         2-Mar, 19:31           0.5-1km SSW         Recorded         2         Projectile         NNW to SSE         N/K         2-Mar, 19:32           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded	200-500m S		- 1	Explosion	Undetermined	N/K	2-Mar, 19:31
1-2km S         Recorded         2         Explosion         Undetermined         N/K         2-Mar, 19:33           0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         2         Projectile         NW to SE         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded		Recorded		1	In ventical		
0.5-1km S         Recorded         1         Projectile         NNW to SSE         N/K         2-Mar, 19:35           0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded <td></td> <td></td> <td>1</td> <td>Projectile</td> <td>flight</td> <td></td> <td>2-Mar, 19:31</td>			1	Projectile	flight		2-Mar, 19:31
0.5-1km S         Recorded         1         Explosion         Airburst         N/K         2-Mar, 19:35           2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         2         Projectile         NW to SE         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded	0.8-1km SSW 0.5-1km SSW	Recorded Recorded	1 2	Projectile	flight NNW to SSE	N/K	2-Mar, 19:32
2-4km S         Recorded         1         Projectile         SSE to NNW         N/K         2-Mar, 19:36           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         2         Projectile         NW to SE         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded </td <td>0.8-1km SSW 0.5-1km SSW 1-2km S</td> <td>Recorded Recorded</td> <td>1 2 2</td> <td>Projectile Explosion</td> <td>flight NNW to SSE Undetermined</td> <td>N/K N/K</td> <td>2-Mar, 19:32 2-Mar, 19:33</td>	0.8-1km SSW 0.5-1km SSW 1-2km S	Recorded Recorded	1 2 2	Projectile Explosion	flight NNW to SSE Undetermined	N/K N/K	2-Mar, 19:32 2-Mar, 19:33
3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:04           3-5km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:26           2-4km SSW         Recorded         2         Projectile         NW to SE         N/K         2-Mar, 21:32           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 02:10           2-4km SSW         Recorde	0.8-1km SSW 0.5-1km SSW 1-2km S 0.5-1km S	Recorded Recorded Recorded	1 2 2 1	Projectile Explosion Projectile	flight NNW to SSE Undetermined NNW to SSE	N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35
3-5km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 21:262-4km SSWRecorded2ProjectileNW to SEN/K2-Mar, 21:322-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 21:342-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 21:512-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 22:222-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:032-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:500.5-1km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:512-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:512-4km SSWRecorded1ProjectileNW to SEN/K3-Mar, 02:100.5-1km SRecorded1ProjectileIn vertical flightN/K3-Mar, 04:040.5-1km SRecorded1ExplosionUndeterminedN/K3-Mar, 05:070.7-1.5km SRecorded1ProjectileSE to NWN/K3-Mar, 05:311-3km SRecorded1Illumination flareIn vertical flightN/K3-Mar, 05:31	0.8-1km SSW 0.5-1km SSW 1-2km S 0.5-1km S 0.5-1km S	Recorded Recorded Recorded Recorded Recorded	1 2 2 1 1	Projectile Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst	N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35
2-4km SSWRecorded2ProjectileNW to SEN/K2-Mar, 21:322-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 21:342-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 21:512-4km SSWRecorded1ExplosionUndeterminedN/K2-Mar, 22:222-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:032-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:500.5-1km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:512-4km SSWRecorded1ExplosionUndeterminedN/K3-Mar, 01:512-4km SSWRecorded1ProjectileNW to SEN/K3-Mar, 02:102-4km SSWRecorded1ProjectileIn vertical flightN/K3-Mar, 02:100.5-1km SRecorded1ExplosionUndeterminedN/K3-Mar, 05:070.7-1.5km SRecorded1ProjectileSE to NWN/K3-Mar, 05:112-4km SSWRecorded3ProjectileNW to SEN/K3-Mar, 05:311-3km SRecorded1Illumination flareIn vertical flightN/K3-Mar, 18:06	0.8-1km SSW 0.5-1km SSW 1-2km S 0.5-1km S 0.5-1km S 2-4km S	Recorded Recorded Recorded Recorded Recorded Recorded	1 2 2 1 1 1	Projectile Explosion Projectile Explosion Projectile	flight NNW to SSE Undetermined NNW to SSE Airburst SSE to NNW	N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:34           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S <t< td=""><td>0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW</td><td>Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded</td><td>1 2 2 1 1 1</td><td>Projectile Explosion Projectile Explosion Projectile Explosion</td><td>flight NNW to SSE Undetermined NNW to SSE Airburst SSE to NNW Undetermined</td><td>N/K N/K N/K N/K N/K N/K</td><td>2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04</td></t<>	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	1 2 2 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion	flight NNW to SSE Undetermined NNW to SSE Airburst SSE to NNW Undetermined	N/K N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 21:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S <t< td=""><td>0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  3-5km SSW</td><td>Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded</td><td>1 2 2 1 1 1 1</td><td>Projectile Explosion Projectile Explosion Projectile Explosion Explosion</td><td>flight NNW to SSE Undetermined NNW to SSE Airburst SSE to NNW Undetermined Undetermined</td><td>N/K N/K N/K N/K N/K N/K N/K</td><td>2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26</td></t<>	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  3-5km SSW	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	1 2 2 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion	flight NNW to SSE Undetermined NNW to SSE Airburst SSE to NNW Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 22:22           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:31           1-3km S         Rec	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  3-5km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Undetermined  NW to SE	N/K N/K N/K N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2-Mar, 23:24           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Undetermined  NW to SE  Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:03           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Undetermined  NW to SE  Undetermined  Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:50           0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Explosion Explosion Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Undetermined  NW to SE  Undetermined  Undetermined  Undetermined  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22
0.5-1km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Explosion Explosion Explosion Explosion Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Undetermined  Vundetermined  Undetermined  Undetermined  Undetermined  Undetermined  Undetermined  Undetermined  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24
2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 01:51           2-4km SSW         Recorded         1         Projectile         NW to SE         N/K         3-Mar, 02:10           2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Explosion Explosion Explosion Explosion Explosion Explosion Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03
2-4km SSW         Recorded         1         Projectile         In vertical flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03 3-Mar, 01:50
2-4km SSW         Recorded         1         Projectile         flight         N/K         3-Mar, 02:10           0.5-1km S         Recorded         1         Burst         NW to SE         N/K         3-Mar, 04:04           0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-1km SSW  2-1km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03 3-Mar, 01:50 3-Mar, 01:51
0.5-1km S         Recorded         1         Explosion         Undetermined         N/K         3-Mar, 05:07           0.7-1.5km S         Recorded         1         Projectile         SE to NW         N/K         3-Mar, 05:11           2-4km SSW         Recorded         3         Projectile         NW to SE         N/K         3-Mar, 05:31           1-3km S         Recorded         1         Illumination flare         In vertical flight         N/K         3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-4km SSW  2-1km SSW  2-1km SSW  2-1km SSW  2-1km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 01:51
0.7-1.5km S     Recorded     1     Projectile     SE to NW     N/K     3-Mar, 05:11       2-4km SSW     Recorded     3     Projectile     NW to SE     N/K     3-Mar, 05:31       1-3km S     Recorded     1     Illumination flare     In vertical flight     N/K     3-Mar, 18:06	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Explosion Projectile Explosion Projectile	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 02:10
2-4km SSW Recorded 3 Projectile NW to SE N/K 3-Mar, 05:31  1-3km S Recorded 1 Illumination flare flight N/K 3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW	Recorded	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  Indetermined  Undetermined  Undetermined  Undetermined  Indetermined  Undetermined  Undetermined  Indetermined  Inde	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 01:51 3-Mar, 02:10 3-Mar, 02:10
1-3km S Recorded 1 Illumination In vertical flight N/K 3-Mar, 18:06	0.8-1km SSW  1-2km S  0.5-1km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-1km SSW  2-1km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  NW to SE  In vertical  flight  NW to SE	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:03 3-Mar, 01:51 3-Mar, 01:51 3-Mar, 02:10 3-Mar, 02:10 3-Mar, 04:04
1-3km S Recorded 1 flare flight N/K 3-Mar, 18:06	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Projectile Projectile Burst Explosion Projectile	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  SE  In vertical  flight  NW to SE  Undetermined  SE  Undetermined  SE  Undetermined	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 01:51 3-Mar, 02:10 3-Mar, 02:10 3-Mar, 04:04 3-Mar, 05:07 3-Mar, 05:11
0.5-1km S         Recorded         1         Muzzle flash         N/K         3-Mar, 18:14	0.8-1km SSW  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km S  3-5km SSW  2-4km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Projectile Explosion Projectile Explosion Projectile Explosion Projectile Projectile Burst Explosion Projectile Projectile Projectile	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  SE to NW  NW to SE	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 01:51 3-Mar, 02:10 3-Mar, 02:10 3-Mar, 04:04 3-Mar, 05:07 3-Mar, 05:11
	0.8-1km SSW  1-2km S  0.5-1km SSW  1-2km S  0.5-1km S  0.5-1km S  2-4km SSW  2-1km SSW	Recorded	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 3	Projectile Explosion Projectile Explosion Projectile Explosion Projectile Projectile Burst Explosion Projectile Projectile Illumination	flight  NNW to SSE  Undetermined  NNW to SSE  Airburst  SSE to NNW  Undetermined  SE to NW  NW to SE  In vertical  In vertical  In vertical  In vertical	N/K	2-Mar, 19:32 2-Mar, 19:33 2-Mar, 19:35 2-Mar, 19:35 2-Mar, 19:36 2-Mar, 21:04 2-Mar, 21:26 2-Mar, 21:32 2-Mar, 21:34 2-Mar, 21:51 2-Mar, 22:22 2-Mar, 23:24 3-Mar, 01:50 3-Mar, 01:51 3-Mar, 01:51 3-Mar, 02:10 3-Mar, 02:10 3-Mar, 04:04 3-Mar, 05:07 3-Mar, 05:31

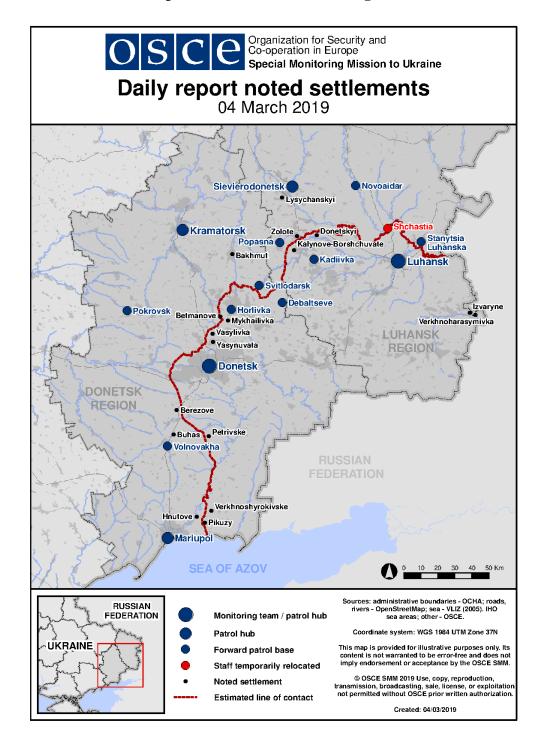
SMM camera					In vertical	1	
1.5km NE of	2-4km ENE	Recorded	1	Projectile	flight	N/K	2-Mar, 19:02
Hnutove	2-4km ENE	Recorded	1	Explosion	Airburst	N/K	2-Mar, 19:02
(government-	3-5km ENE	Recorded	1	Illumination	In vertical	N/K	2-Mar, 19:07
controlled,				flare	flight		·
20km NE of	2-4km E	Recorded	2	Explosion	Impact	N/K	2-Mar, 19:09
Mariupol)	2-4km ENE	Recorded	1	Muzzle flash		N/K	2-Mar, 19:12
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	2-Mar, 19:12
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	2-Mar, 19:12
	2-4km E	Recorded	1	Projectile	N to S	N/K	2-Mar, 19:13
	2-4km ENE	Recorded	1	Muzzle flash	NW to SE	N/K	2-Mar, 19:14
	2-4km ENE 2-4km ENE	Recorded Recorded	1	Projectile		N/K N/K	2-Mar, 19:14
	2-4km ENE	Recorded	1	Explosion Muzzle flash	Impact	N/K N/K	2-Mar, 19:14 2-Mar, 19:28
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K N/K	2-Mar, 19:28
	2-4km ENE	Recorded	1	Explosion	Impact	N/K N/K	2-Mar, 19:28
	2-4km E	Recorded	1	Projectile	S to N	N/K	2-Mar, 19:29
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	2-Mar, 19:35
	2-4km E/VE	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 19:35
				Illumination	In vertical		
	2-4km E	Recorded	1	flare	flight	N/K	2-Mar, 19:36
	2-4km E	Recorded	1	Explosion	Airburst	N/K	2-Mar, 19:37
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 19:37
	2-4km E	Recorded	1	Projectile	S to N	N/K	2-Mar, 19:37
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 19:42
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 19:57
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	2-Mar, 22:37
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 02:54
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	3-Mar, 04:10
	2-4km ESE	Recorded	4	Projectile	SSE to NNW	N/K	3-Mar, 04:10
	2-4km ESE	Recorded	1	Projectile	SSE to NNW	N/K	3-Mar, 04:44
SMM camera at entry-exit checkpoint in Marinka	2-3km NNE	Recorded	1	Explosion	Undetermined	N/K	3-Mar, 00:03
(government- controlled, 23km SW of Donetsk)	2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Mar, 03:02
SMM camera at entry-exit	2-4km S	Recorded	2	Projectile	E to W	N/K	2-Mar, 18:28
checkpoint in Pyshchevyk	2-4km S	Recorded	2	Projectile	E to W	N/K	2-Mar, 22:14
(government- controlled,	2-4km S	Recorded	8	Projectile	E to W	N/K	3-Mar, 00:47
25km NE of Mariupol)	2-4km S	Recorded	1	Projectile	E to W	N/K	3-Mar, 02:55
SMM camera	2-4km N	Recorded	2	Projectile	W to E	N/K	2-Mar, 18:52
1km SW of	2-4km N	Recorded	2	Projectile	W to E	N/K	2-Mar, 18:53
Shyrokyne	2-4km N	Recorded	1	Projectile	W to E	N/K	2-Mar, 18:56
(government- controlled, 20km E of Mariupol)	2-4km N	Recorded	1	Projectile	W to E	N/K	2-Mar, 18:57
SMM camera in Svitlodarsk	1-3km E	Recorded	1	Explosion		N/K	3-Mar, 00:55
(government- controlled,	1-3km E	Recorded	1	Explosion		N/K	3-Mar, 01:01
57km NE of Donetsk)	1-3km E	Recorded	1	Illumination flare	In vertical flight	N/K	3-Mar, 01:10
About 1km N of the railway	2-3km NW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 09:07

	I	T		ı	1	1	1
station in	2 21 NIVI	11	1	E1i	TTd-tid	NI/IZ	2 M 00-00
Yasynuvata	2-3km NW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 09:09
(non-							
government-	2 21 NIVI	Hannel	1	E1	Undetermined	NI/IZ	2 Mar. 00.11
controlled, 16km NE of	2-3km NW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 09:11
	2 21 CVV	Hannel	2	E1	I I., d.,	NI/IZ	2 Mar. 00.22
Donetsk)	2-3km SW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 09:33
	1-1.5km N	Heard	10	Burst	77 1	HMG	3-Mar, 09:51
	2-4km NW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 13:24
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 13:27
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 13:32
	1-2km NW	Heard	2	Shot		HMG	3-Mar, 13:35
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 13:39
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 13:49
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 14:05
	2-4km SW	Heard	21	Burst		HMG	3-Mar, 14:05
Railway station in Yasynuvata	3-5km W	Heard	1	Explosion	Undetermined	N/K	3-Mar, 10:08
(non- government-	3-5km W	Heard	1	Explosion	Undetermined	N/K	3-Mar, 10:13
controlled,	2-3km W	Heard	1	Explosion	Undetermined	N/K	3-Mar, 12:35
16km NE of			<u> </u>	1			,
Donetsk)	2-3km W	Heard	1	Burst		Small	3-Mar, 12:37
OF			<u> </u>			arms	,,
SE part of							
Avdiivka							
(government-	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	3-Mar, 09:32
controlled,							,
17km N of							
Donetsk)							
About 2km NW							
of Debaltseve							
(non-	2 41 2007	77 1	2	F 1 .	TT 1	NI /IZ	2.34 12.05
government-	3-4km NW	Heard	3	Explosion	Undetermined	N/K	3-Mar, 13:05
controlled,							
58km NE of							
Donetsk) About 1km S of							
							3-Mar, 14:29-
Novohryhorivka	4-6km W	Heard	36	Explosion	Undetermined	N/K	14:45
(non-							14.43
government-							
controlled,	4-6km W	Heard	33	Explosion	Undetermined	N/K	3-Mar, 14:46-
61km NE of	r OMII W	11cara	33	LAPIOSIOII	- Indetermined	1 1/ 1%	15:00
Donetsk)					1		
Pikuzy							
(formerly							
Kominternove,						G 11	
non-	1km W	Heard	1	Burst		Small	3-Mar, 12:56
government-						arms	,
controlled, 23km NE of							
Mariupol)							
Svitlodarsk					1	Small	2-Mar, 20:08-
(government-	3-4km WSW	Heard	27	Burst		arms	20:09
controlled,						Small	
57km NE of	3-4km WSW	Heard	10	Shot		arms	2-Mar, 20:09
Donetsk)					1	Small	+
z onowk)	3-4km WSW	Heard	5	Burst		arms	2-Mar, 20:15
	3-5km WSW	Heard	4	Explosion	Undetermined	N/K	2-Mar, 20:16- 20:23
	3-4km WSW	Heard	28	Burst		Small arms	2-Mar, 21:30- 21:31
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 21:32
							3-Mar, 13:18-
		Heard	8	Explosion	Undetermined	N/K	
	2-4km WSW 4-5km SSE	Heard	1	Explosion	Undetermined	N/K	13:22 3-Mar, 13:56

	< 01 MAMA	T 1	1	l	T 1	NI/IZ	2.34 14.17
	6-8km WNW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 14:15
	4-5km SSE	Heard	8	Explosion	Undetermined	N/K	3-Mar, 14:15- 14:20
	4-5km SSE	Heard	7	Explosion	Undetermined	N/K	3-Mar, 14:22- 14:29
	4-5km SSE	Heard	3	Explosion	Undetermined	N/K	3-Mar, 14:31- 14:33
	4-5km SSE	Heard	9	Explosion	Undetermined	N/K	3-Mar, 14:40- 14:47
	4-5km SSE	Heard	5	Burst		HMG	3-Mar, 14:40- 14:47
	4-5km SSE	Heard	10	Explosion	Undetermined	N/K	3-Mar, 14:49- 14:54
	4-5km SSE	Heard	3	Burst		HMG	3-Mar, 14:49- 14:54
	4-5km SSE	Heard	5	Explosion	Undetermined	N/K	3-Mar, 14:56- 15:00
	4-5km SSE	Heard	5	Explosion	Undetermined	N/K	3-Mar, 15:01- 15:05
	4-5km SSE	Heard	6	Explosion	Undetermined	N/K	3-Mar, 15:10- 15:17
	4-5km SSE	Heard	10	Explosion	Undetermined	N/K	3-Mar, 15:20- 15:25
Horlivka (non- government-	2-4km SW	Heard	7	Burst		HMG	2-Mar, 19:10- 19:11
controlled,	4-6km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 20:25
39km NE of	4-6km SW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 20:31
Donetsk)	4-6km SW	Heard	2	Explosion	Undetermined	N/K	2-Mar, 22:23
	4-6km SW	Heard	8	Burst		HMG	2-Mar, 22:59- 23:01
	4-6km SW	Heard	3	Burst		HMG	2-Mar, 23:46
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	2-Mar, 23:59
About 2km SSE	2-3km NE	Heard	2	Explosion	Undetermined	N/K	3-Mar, 09:09
of Kamianka	5-6km SW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 09:34
(government-	5-6km SW	Heard	1	Explosion	Undetermined	N/K	3-Mar, 10:05
controlled,	5-6km SW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 10:10
20km N of Donetsk)	5-6km SW	Heard	2	Explosion	Undetermined	N/K	3-Mar, 10:18
SMM camera in Zolote (government- controlled, 60km W of Luhansk)	1-3km E	Recorded	7	Projectile	NW to SE (unable to assess whether inside or outside the disengagement area)	N/K	2-Mar, 22:48
	1-3km E	Recorded	3	Projectile	NW to SE (unable to assess whether inside or outside the disengagement area)	N/K	2-Mar, 22:50
	2-4km E	Recorded	2	Explosion	Assessed as outside the disengagement area	N/K	2-Mar, 23:24
	2-4km E	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	2-Mar, 23:31
N edge of Popasna	5-10km S	Heard	20	Explosion	Undetermined	N/K	3-Mar, 05:50- 06:20
(government- controlled, 69km W of	5-10km S	Heard	30	Shot and bursts		N/K	3-Mar, 05:50- 06:20

Luhansk)							
NE edge of Sentianivka	6-8km W	Heard	21	Burst		HMG	3-Mar, 10:30- 10:51
(formerly Frunze, non-	8-10km WNW	Heard	9	Explosion	Undetermined	N/K	3-Mar, 10:30- 10:51
government- controlled,	6-8km NW	Heard	5	Explosion	Undetermined	N/K	3-Mar, 10:30- 10:51
44km W of Luhansk)	6-8km NW	Heard	86	Burst		HMG	3-Mar, 10:30- 10:51
S edge of Krasnyi Lyman (non- government- controlled, 30km NW of Luhansk)	1-2km N	Heard	3	Shot		Small arms	3-Mar, 14:50

## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).