

Summary report for Cardiff MC1

UKMON

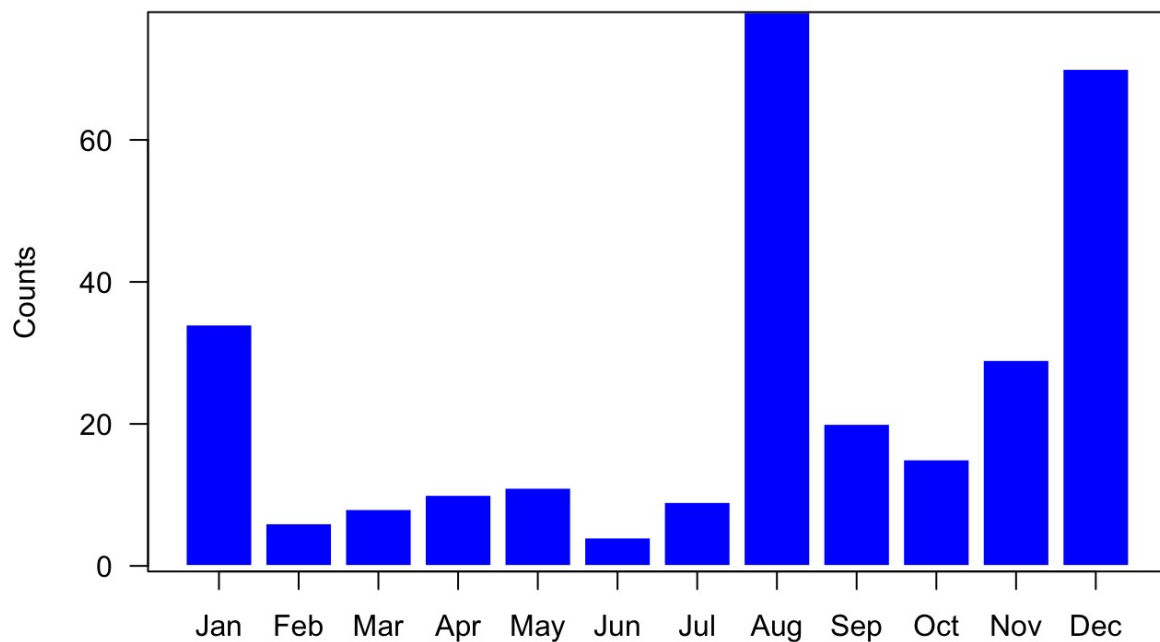
2018-04-11

Summary of activity in 2017

Cardiff MC1 operates 1 cameras.

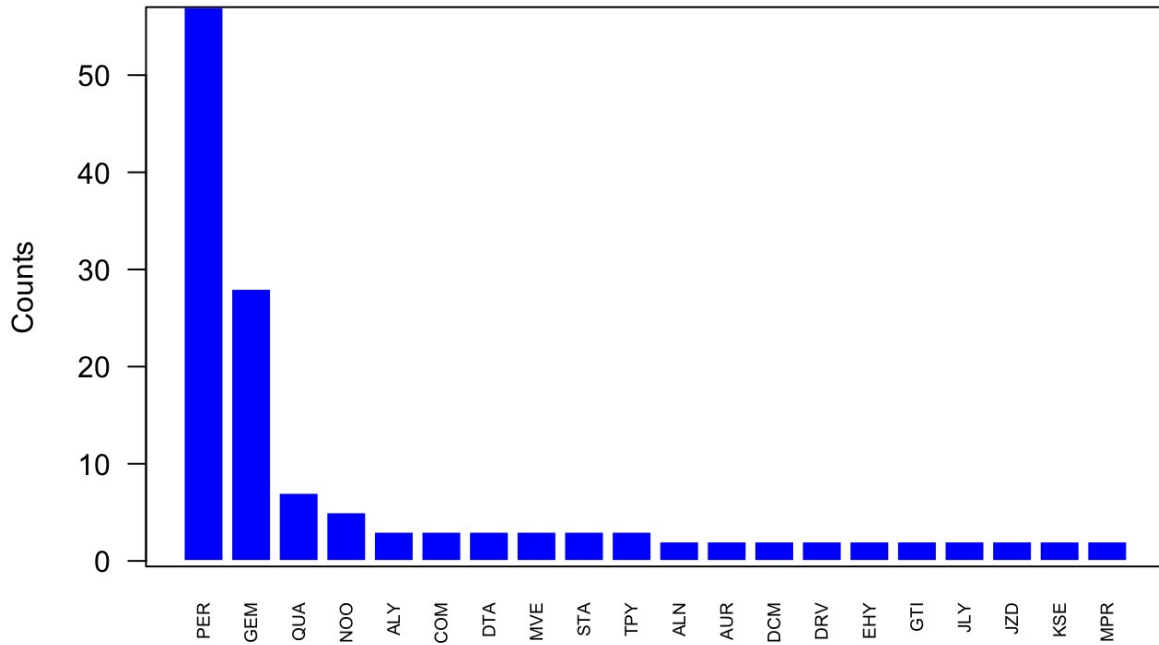
In 2017 Cardiff MC1 has recorded 294 individual meteor observations. These observations comprise 46 sporadic meteors and 248 stream meteors. A breakdown by month is shown below.

Cardiff MC1 observations by month



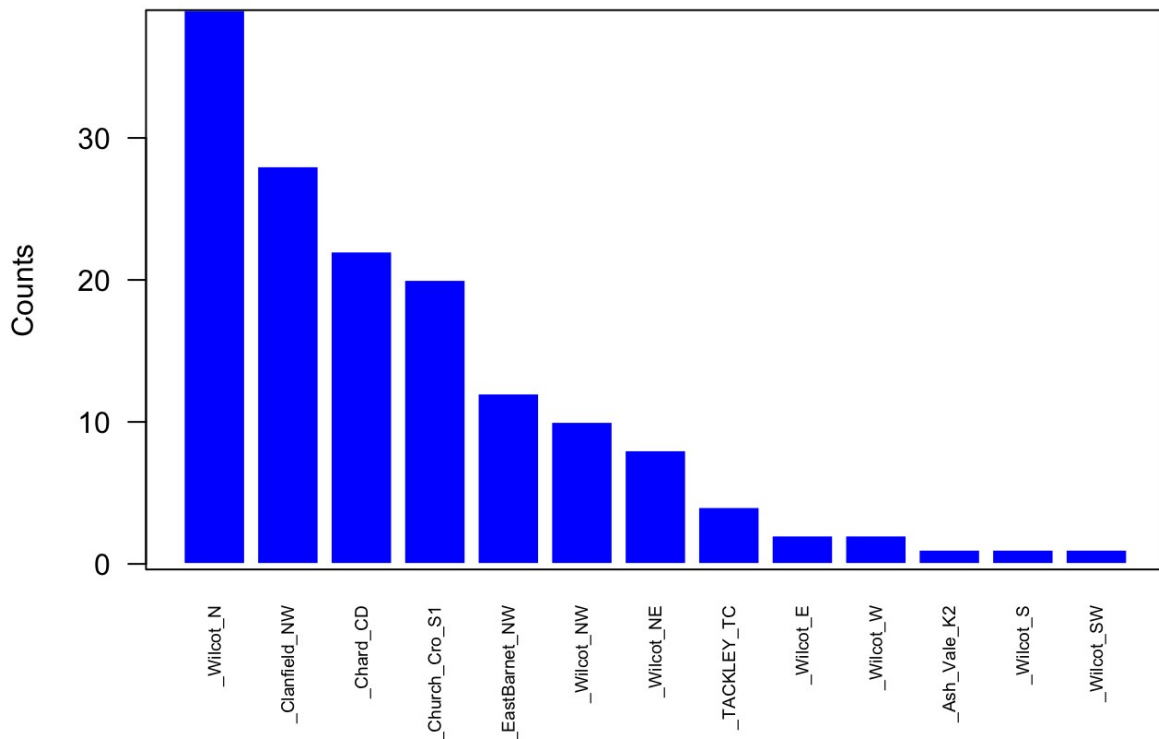
The following shows observation counts by stream for the 20 most frequent showers based on preliminary UFO ANALYSIS classifications:

Cardiff MC1 stream observations



The following table shows which stations are generating matched observations with this station and the number of matches:

Matched observations for Cardiff MC1



Fireball activity

(Based on IAU definition of apparrent magnitude of -4.0 or brighter)

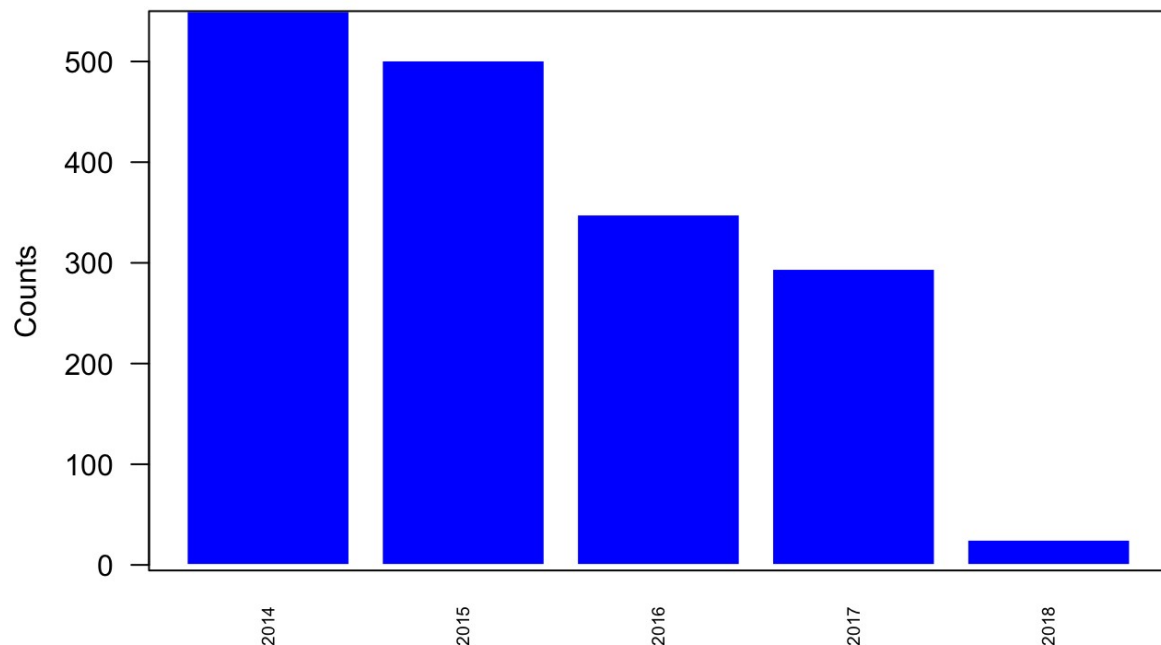
Datetime	Magnitude	Duration	Stream
2017-08-13 02:39:29	-6.9	0.62	PER
2017-08-14 00:28:16	-5.3	0.58	PER
2017-08-09 22:55:50	-4.2	1.3	ATA
2017-08-12 21:30:28	-4.1	1.14	PER
2017-09-21 23:13:47	-4.1	1.16	NPI

All observations by Cardiff MC1 between 2014 and 2018

UKMON data for Cardiff MC1 covers the period from 2014 to 2018 and totals 1718 individual meteor observations. These observations comprise 372 sporadic meteors and 1346 stream meteors.

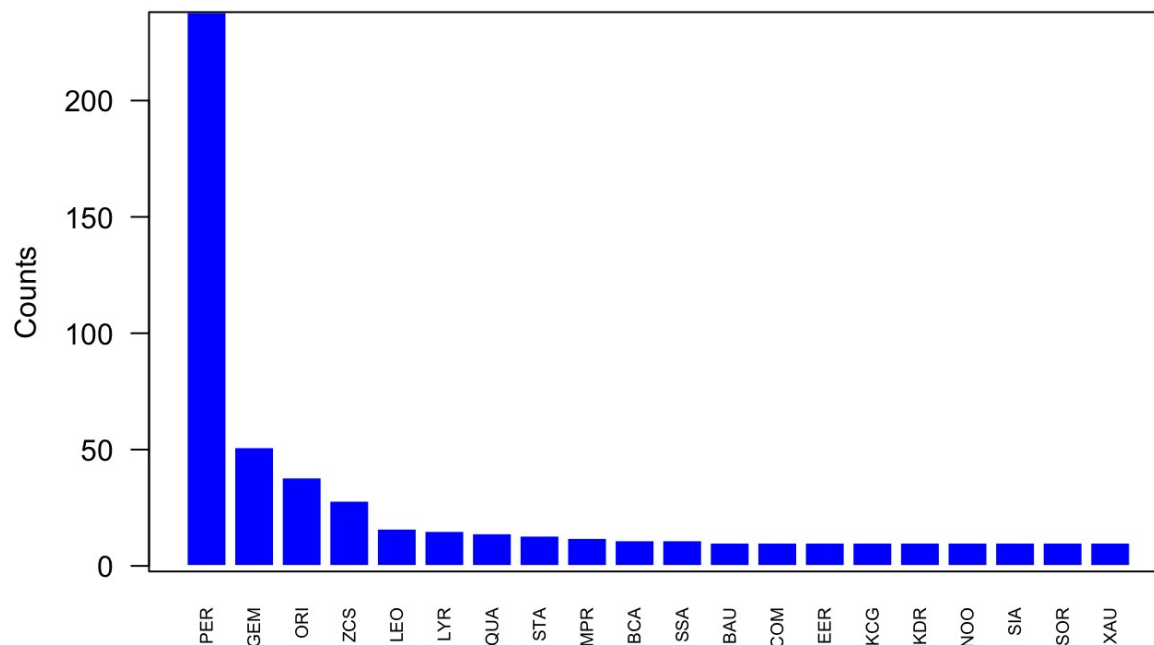
This section provides a summary of all observations by Cardiff MC1 from 2014 to 2018. A breakdown of the number of observations by year is given in the histogram below.

Cardiff MC1 Observations by year, station



The following graph shows observation counts by stream (preliminary UFO ANALYSIS classification). A detailed breakdown by shower is given in the table at the end of this report.

Cardiff MC1 stream observations



Fireball activity

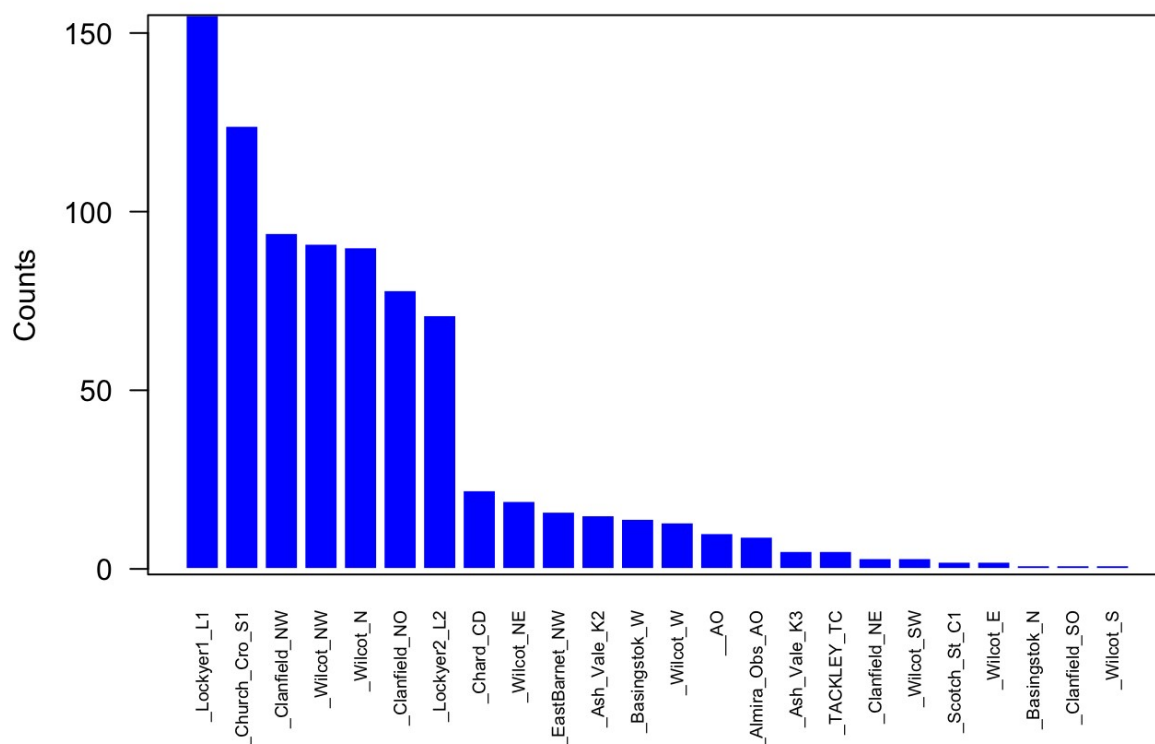
Fireballs recorded (Based on IAU definition of apparant magnitude of -4.0 or brighter)

Datetime	Magnitude	Duration	Stream
2015-08-13 02:51:03	-7.2	0.48	PER
2017-08-13 02:39:29	-6.9	0.62	PER
2017-08-14 00:28:16	-5.3	0.58	PER
2016-08-11 23:04:01	-4.9	0.6	PER
2014-08-13 02:13:04	-4.7	0.64	PER
2014-08-15 03:56:22	-4.5	0.44	PER
2015-08-19 23:18:54	-4.5	0.06	SPO
2014-11-04 22:44:02	-4.4	1.3	OEE
2018-01-06 03:09:22	-4.4	0.6	DCM
2015-08-08 00:53:25	-4.3	0.82	PER
2016-08-16 23:29:09	-4.3	1.08	PER
2017-08-09 22:55:50	-4.2	1.3	ATA
2014-09-09 03:04:02	-4.1	0.66	SPO

Datetime	Magnitude	Duration	Stream
2017-08-12 21:30:28	-4.1	1.14	PER
2017-09-21 23:13:47	-4.1	1.16	NPI
2014-08-13 00:41:10	-4.0	0.56	MPR
2014-09-16 21:38:21	-4.0	1.22	SPO
2015-08-07 01:13:31	-4.0	0.66	PER
2016-08-04 21:31:39	-4.0	1.14	ZCS

The following table shows which stations are generating matched observations with this station and the number of matches:

Matched observations for Cardiff MC1



Detailed counts (including sporadics)

Shower	Counts
SPO	372
PER	238
GEM	51
ORI	38

Shower	Counts
ZCS	28
LEO	16
LYR	15
QUA	14
STA	13
MPR	12
BCA	11
SSA	11
BAU	10
COM	10
EER	10
KCG	10
KDR	10
NOO	10
SIA	10
SOR	10
XAU	10
AGC	9
GDR	9
POR	9
ZTA	9
DAU	8
EGE	8
NOA	8
NTA	8
ALY	7
AMO	7
ATR	7
MUL	7
SPE	7

Shower	Counts
ACM	6
AMD	6
BAR	6
BPE	6
ETP	6
ETT	6
FLY	6
JZD	6
NDR	6
NZP	6
NZT	6
OMO	6
OUI	6
PCA	6
RLE	6
RPU	6
SLY	6
ABA	5
ALN	5
AOR	5
AUD	5
AUR	5
AXC	5
BCN	5
BMO	5
DEL	5
EPC	5
MON	5
NUE	5
OBC	5

Shower	Counts
PPS	5
PSA	5
SAP	5
TCA	5
THA	5
TPI	5
TRI	5
ADC	4
ANA	4
BPI	4
CAN	4
CAP	4
CTA	4
DAD	4
DCM	4
DRV	4
EHY	4
FTA	4
JCO	4
KSE	4
KVI	4
LAQ	4
MLE	4
MVE	4
NAU	4
NBO	4
NDA	4
NDL	4
NGM	4
NLY	4

Shower	Counts
OCY	4
OML	4
SAQ	4
SAR	4
SCS	4
SDA	4
SOL	4
SOO	4
TPY	4
ZAR	4
ABO	3
ACA	3
ACT	3
AED	3
AUP	3
DDR	3
DHY	3
DKD	3
DLI	3
DPC	3
DSE	3
DTA	3
ELY	3
EPV	3
FEV	3
GBO	3
GCA	3
HYD	3
IAR	3
ICS	3

Shower	Counts
JBO	3
JGS	3
JIP	3
KLY	3
KUM	3
LUM	3
MPV	3
NDD	3
NPI	3
ODR	3
ORS	3
PAU	3
PVI	3
SLE	3
SSG	3
URS	3
XHE	3
ZCN	3
ZED	3
AAH	2
ABC	2
ACB	2
ACO	2
AIC	2
ALO	2
AND	2
AOC	2
ATA	2
AVB	2
BCM	2

Shower	Counts
BCP	2
BHE	2
BSX	2
BUM	2
CVN	2
DAL	2
DAR	2
DBA	2
DCL	2
DED	2
DLM	2
DPI	2
DSA	2
DSV	2
ECO	2
ETA	2
EVI	2
GCP	2
GTA	2
GTI	2
HVI	2
JLY	2
KHY	2
LLY	2
LVI	2
MBC	2
MIC	2
NCC	2
NGP	2
NGV	2

Shower	Counts
NHD	2
NHY	2
NIA	2
NID	2
NLD	2
NLM	2
NZC	2
OCT	2
OER	2
OLY	2
OPC	2
ORN	2
PBO	2
PDF	2
PIP	2
PSP	2
PUP	2
RGE	2
SAL	2
SCC	2
SIC	2
SOA	2
SRP	2
SSC	2
SZC	2
TCN	2
TPR	2
TVI	2
UAN	2
UUM	2

Shower	Counts
XVI	2
ZCA	2
ZDR	2
ZSE	2
AAL	1
AAN	1
ACC	1
AHE	1
AHY	1
AOE	1
ARC	1
ARI	1
ASC	1
ASX	1
AUM	1
AUS	1
BAQ	1
BEQ	1
CAM	1
CLE	1
CMI	1
DAB	1
DDL	1
DMC	1
DMH	1
DMT	1
DNA	1
DRA	1
DTR	1
EPG	1

Shower	Counts
EPR	1
ERI	1
ESE	1
EUM	1
FAO	1
FED	1
FHE	1
FMV	1
FOP	1
FPL	1
GCO	1
GDE	1
GER	1
GLI	1
GPS	1
GPU	1
GUM	1
ICA	1
ICE	1
ICY	1
JCC	1
JEC	1
JEO	1
JHY	1
JLE	1
JPV	1
JRC	1
JZA	1
LCY	1
LMI	1

Shower	Counts
MAC	1
MAL	1
MCA	1
MDR	1
MHY	1
MLY	1
MPS	1
MSR	1
MVL	1
MZC	1
NAL	1
NAR	1
NAS	1
NEC	1
NER	1
NLL	1
NSC	1
NUM	1
NVI	1
OCG	1
OCU	1
OEE	1
OKD	1
OLE	1
OLP	1
OME	1
OPG	1
OSE	1
OUM	1
PAR	1

Shower	Counts
PEG	1
PSU	1
PUM	1
SCA	1
SCU	1
SDL	1
SGE	1
SGV	1
SLD	1
SPI	1
SSS	1
SVI	1
TAH	1
TAQ	1
TCE	1
UCE	1
XDR	1
XLI	1
ZPU	1