

# Summary report for Cardiff Dyffryn

UKMON

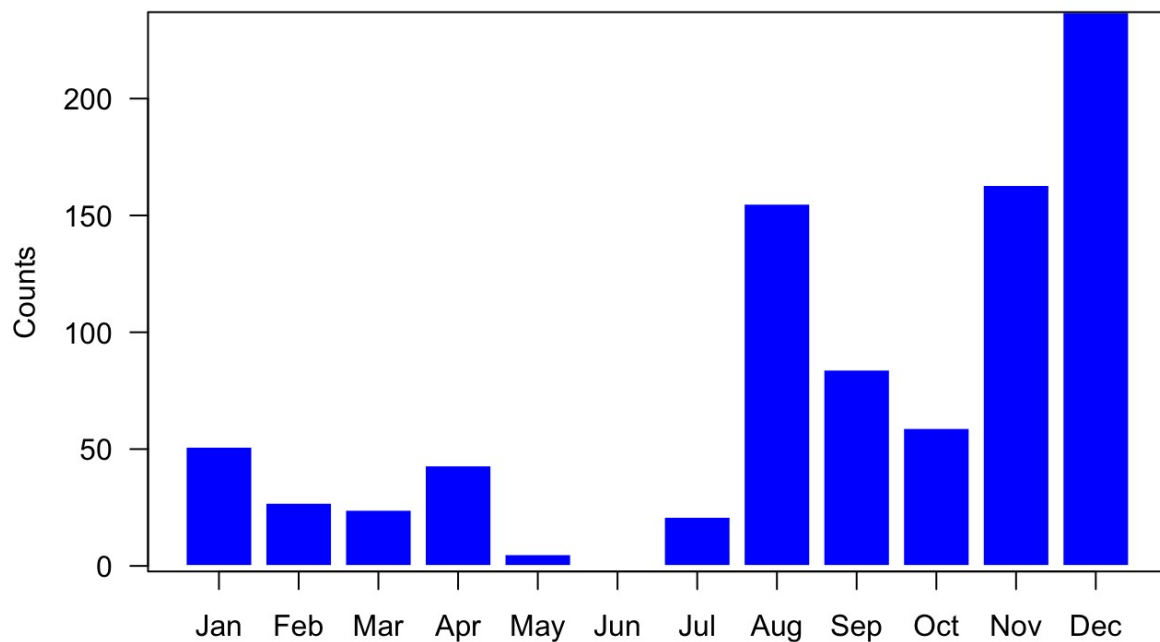
2018-04-11

## Summary of activity in 2017

Cardiff Dyffryn operates 2 cameras.

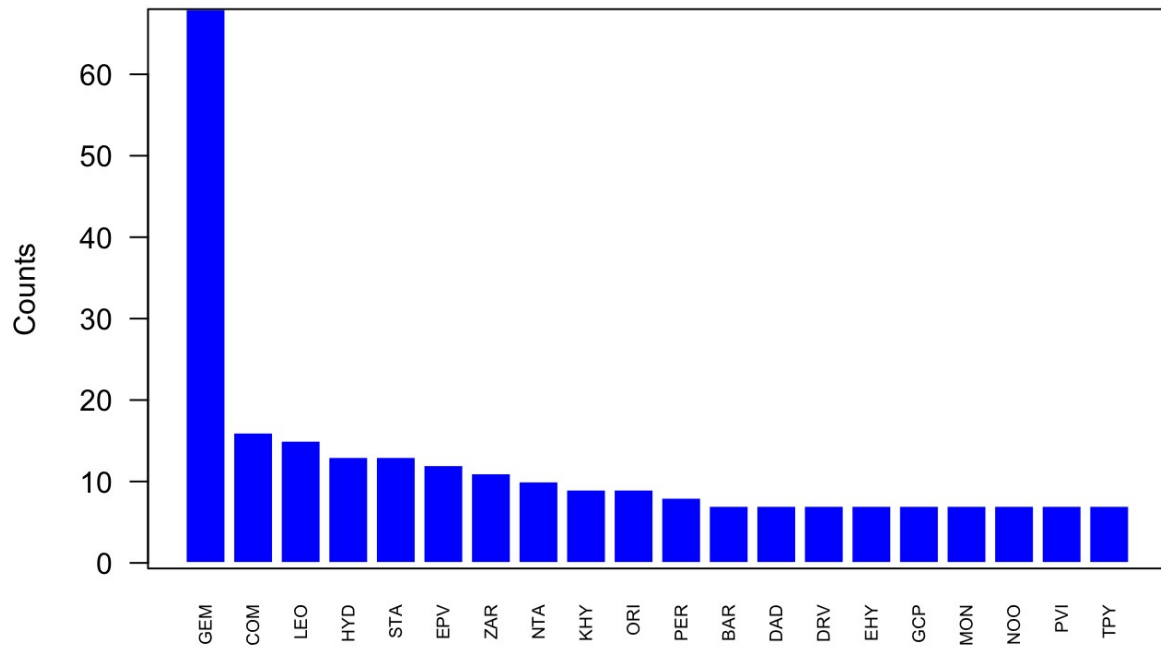
In 2017 Cardiff Dyffryn has recorded 869 individual meteor observations. These observations comprise 172 sporadic meteors and 697 stream meteors. A breakdown by month is shown below.

**Cardiff Dyffryn observations by month**



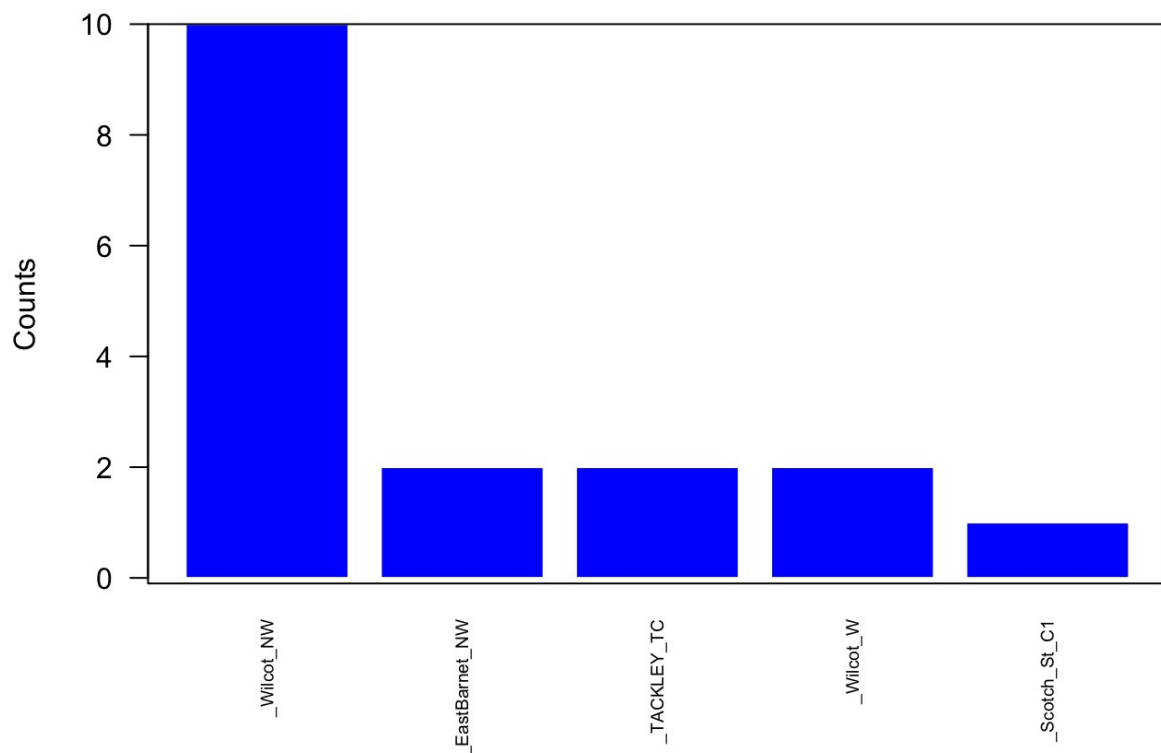
The following shows observation counts by stream for the 20 most frequent showers based on preliminary UFO ANALYSIS classifications:

### Cardiff Dyffryn stream observations



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

### Matched observations for Cardiff Dyffryn



# Fireball activity

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

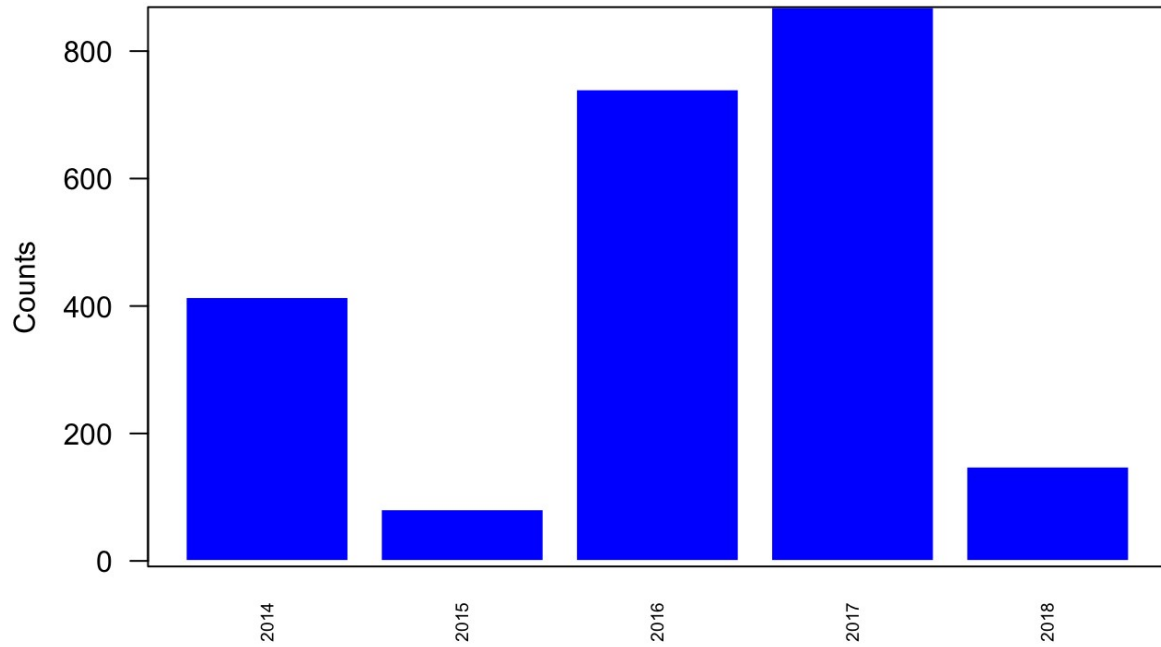
<b>Datetime</b>	<b>Magnitude</b>	<b>Duration</b>	<b>Stream</b>
2017-08-13 00:17:31	-8.9	0.68	ERI
2017-07-10 21:59:26	-8.1	0.78	KLY
2017-08-13 03:04:52	-7.5	0.2	SPO
2017-08-15 03:18:25	-6.4	0.24	SPO
2017-08-12 22:08:07	-6.3	0.44	SPO
2017-08-12 22:11:04	-6.2	1.38	AOC
2017-03-24 00:05:19	-5.3	1.56	KVI
2017-08-19 01:10:44	-5.0	0.24	SPO
2017-07-22 02:34:24	-4.8	0.22	BAR
2017-08-03 02:55:34	-4.4	0.38	PER
2017-07-16 23:17:20	-4.3	0.42	KLY
2017-08-28 00:32:22	-4.3	0.08	ALN
2017-08-13 00:52:31	-4.2	0.32	SPO
2017-07-31 01:13:40	-4.1	0.3	ATR
2017-08-13 03:41:21	-4.1	0.14	SPO

## All observations by Cardiff Dyffryn between 2014 and 2018

UKMON data for Cardiff Dyffryn covers the period from 2014 to 2018 and totals 2252 individual meteor observations. These observations comprise 599 sporadic meteors and 1653 stream meteors.

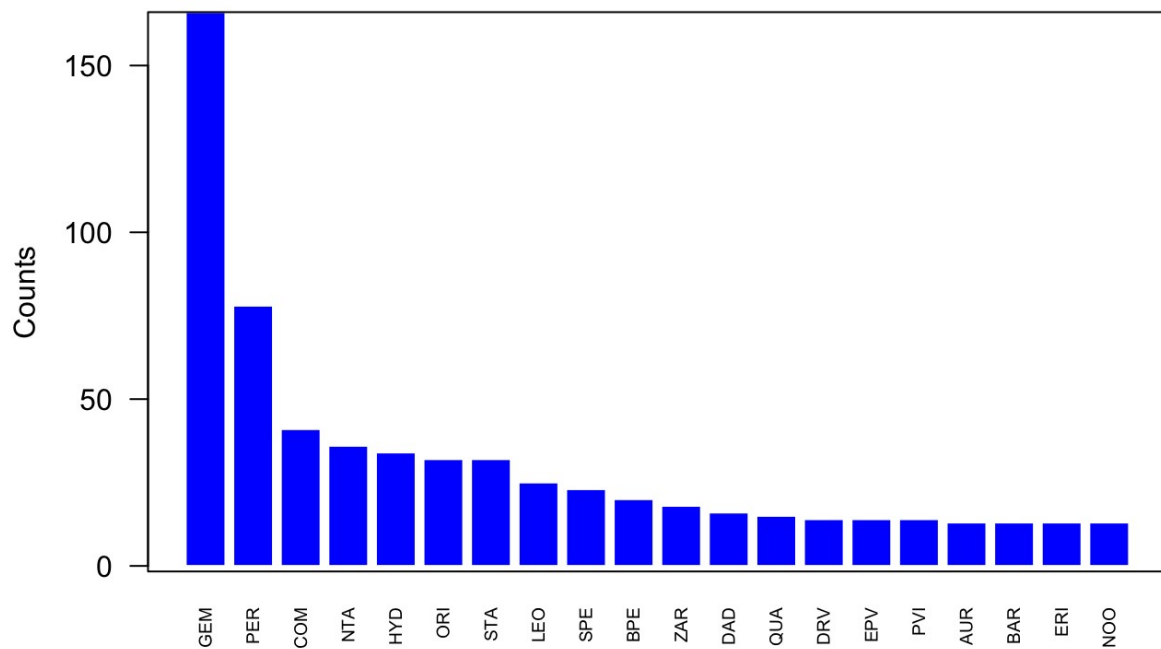
This section provides a summary of all observations by Cardiff Dyffryn from 2014 to 2018. A breakdown of the number of observations by year is given in the histogram below.

### Cardiff Dyffryn 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 Dyffryn stream observations



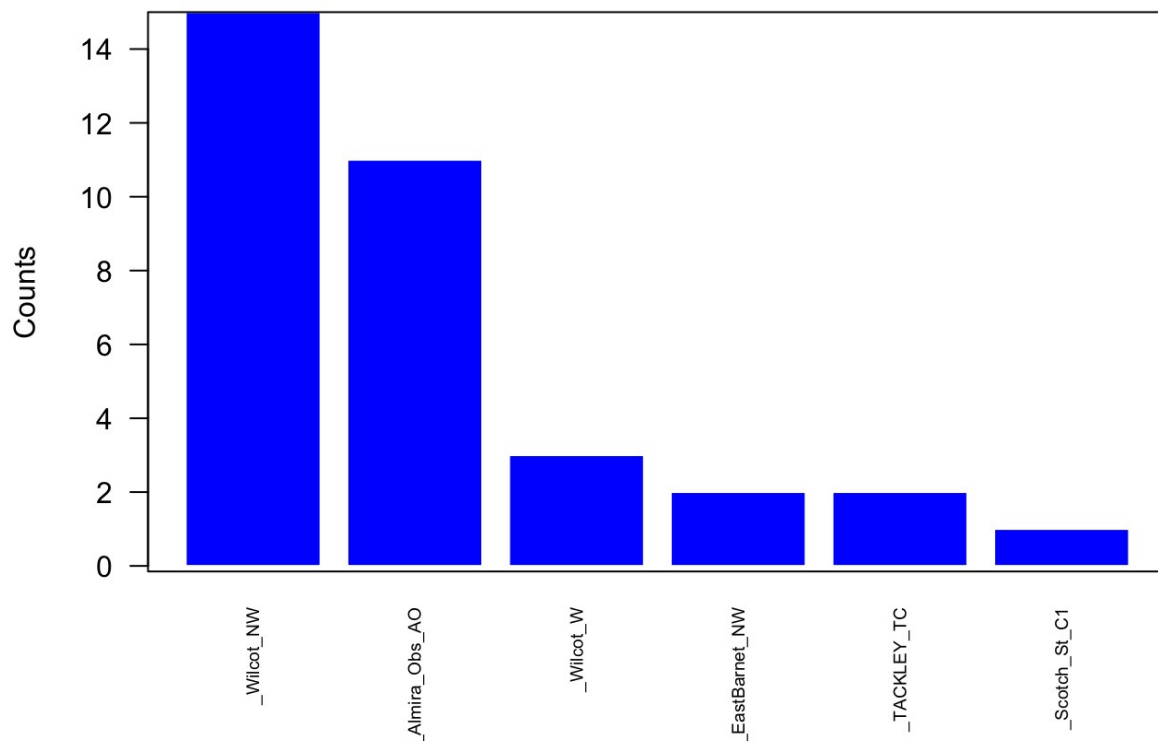
# Fireball activity

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

<b>Datetime</b>	<b>Magnitude</b>	<b>Duration</b>	<b>Stream</b>
2017-08-13 00:17:31	-8.9	0.68	ERI
2017-07-10 21:59:26	-8.1	0.78	KLY
2017-08-13 03:04:52	-7.5	0.2	SPO
2016-12-22 03:18:37	-7.2	0.38	COM
2017-08-15 03:18:25	-6.4	0.24	SPO
2017-08-12 22:08:07	-6.3	0.44	SPO
2017-08-12 22:11:04	-6.2	1.38	AOC
2016-08-11 23:33:52	-5.9	0.14	BPE
2017-03-24 00:05:19	-5.3	1.56	KVI
2017-08-19 01:10:44	-5.0	0.24	SPO
2016-08-06 03:54:48	-4.9	0.5	GER
2017-07-22 02:34:24	-4.8	0.22	BAR
2016-07-22 00:49:15	-4.5	1.14	CAP
2016-08-13 03:40:28	-4.5	0.3	AIC
2016-03-30 01:46:48	-4.4	0.42	AAL
2017-08-03 02:55:34	-4.4	0.38	PER
2014-12-01 02:58:58	-4.3	0.56	SPO
2017-07-16 23:17:20	-4.3	0.42	KLY
2017-08-28 00:32:22	-4.3	0.08	ALN
2016-08-11 23:33:52	-4.2	0.06	BPE
2017-08-13 00:52:31	-4.2	0.32	SPO
2017-07-31 01:13:40	-4.1	0.3	ATR
2017-08-13 03:41:21	-4.1	0.14	SPO
2014-10-24 06:03:32	-4.0	0.12	SPO
2016-01-04 22:14:29	-4.0	0.86	COM
2016-08-12 00:27:11	-4.0	0.88	PER

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

## Matched observations for Cardiff Dyffryn



## Detailed counts (including sporadics)

Shower	Counts
SPO	599
GEM	166
PER	78
COM	41
NTA	36
HYD	34
ORI	32
STA	32
LEO	25
SPE	23
BPE	20
ZAR	18
DAD	16
QUA	15

<b>Shower</b>	<b>Counts</b>
DRV	14
EPV	14
PVI	14
AUR	13
BAR	13
ERI	13
NOO	13
AHY	12
NLM	12
TRI	12
CVN	11
DHY	11
MON	11
NUE	11
CMI	10
EHY	10
FTA	10
KUM	10
MHY	10
NLY	10
OME	10
TPY	10
DLM	9
EGE	9
GCP	9
KHY	9
PSU	9
TCB	9
ZCS	9
AGC	8

<b>Shower</b>	<b>Counts</b>
DAU	8
DMH	8
GER	8
JLE	8
PAR	8
RGE	8
DAB	7
GCM	7
KDR	7
NAU	7
SSA	7
XVI	7
ACB	6
AHE	6
ALO	6
ANA	6
ATR	6
BCN	6
BPI	6
DCL	6
DKD	6
DSV	6
EER	6
ETP	6
FLY	6
GDR	6
KCG	6
KVI	6
LYR	6
MLE	6



<b>Shower</b>	<b>Counts</b>
NAS	6
NBO	6
OCU	6
OLY	6
OML	6
ORN	6
POR	6
SDL	6
SLD	6
SOO	6
TCA	6
XAU	6
XCB	6
ACM	5
AOC	5
AOR	5
BHE	5
EPC	5
GBO	5
GPS	5
ICS	5
JCO	5
JLY	5
KSE	5
LMI	5
LUM	5
NID	5
NPI	5
NZT	5
OCG	5

<b>Shower</b>	<b>Counts</b>
OER	5
PIH	5
SLY	5
SOL	5
URS	5
UUM	5
ZTA	5
AAN	4
ABA	4
AED	4
BCB	4
BSX	4
CAP	4
DCM	4
DSE	4
FMV	4
FPL	4
IAR	4
JRH	4
LAQ	4
LBO	4
NDD	4
NIA	4
NZP	4
OBC	4
OCY	4
OPC	4
RLE	4
RPU	4
SAP	4

<b>Shower</b>	<b>Counts</b>
SAR	4
SCS	4
SLE	4
TOP	4
TPI	4
ZSE	4
ACA	3
ALY	3
AMO	3
ASC	3
ASX	3
BAU	3
BMO	3
CTA	3
DAR	3
DEL	3
DTA	3
ETA	3
FED	3
JNO	3
JPE	3
JPV	3
LDR	3
LOP	3
MPR	3
MVE	3
NCC	3
NCY	3
NDL	3
NHD	3

<b>Shower</b>	<b>Counts</b>
NHY	3
OCT	3
OMO	3
PAU	3
PBO	3
PSA	3
SDA	3
SOR	3
SPI	3
TCE	3
THA	3
TVI	3
UCE	3
XUM	3
AAL	2
ADC	2
AMD	2
AND	2
AUD	2
AUP	2
AVB	2
BAQ	2
DAL	2
DCY	2
DPI	2
DPL	2
EAU	2
ESE	2
ETT	2
EVI	2

<b>Shower</b>	<b>Counts</b>
GTA	2
GTI	2
ICE	2
ISC	2
JEC	2
JRP	2
KLY	2
LCY	2
MAC	2
MDR	2
MML	2
NAR	2
NDR	2
NGM	2
NOP	2
NSS	2
NZC	2
OEE	2
ORS	2
OUM	2
SAQ	2
SCA	2
SCC	2
SIA	2
SOA	2
SRP	2
TCN	2
XLI	2
ZCN	2
ZCY	2

<b>Shower</b>	<b>Counts</b>
ZDR	2
ABC	1
ABS	1
ACO	1
AIC	1
ALA	1
ALN	1
AOE	1
APG	1
ARC	1
ATA	1
AXC	1
BCR	1
BPG	1
CAM	1
CUR	1
DDC	1
DDR	1
DMT	1
DPC	1
DRA	1
DSA	1
DXL	1
FBO	1
FCM	1
FHE	1
GCO	1
GDE	1
GLI	1
GPU	1

<b>Shower</b>	<b>Counts</b>
HVI	1
ICY	1
JBP	1
JCC	1
JMC	1
JSC	1
JUG	1
JZA	1
JZD	1
KAQ	1
LLY	1
LVI	1
MIC	1
MLY	1
MPS	1
MZC	1
NAL	1
NDA	1
NEC	1
NER	1
NLD	1
NLL	1
NOA	1
ODR	1
OLE	1
OMA	1
OMC	1
OPL	1
OUI	1
PAQ	1

<b>Shower</b>	<b>Counts</b>
PIP	1
PPS	1
PUM	1
PUP	1
SIC	1
SLL	1
SOP	1
SSE	1
SZC	1
TSR	1
XCE	1
XHE	1
ZCA	1