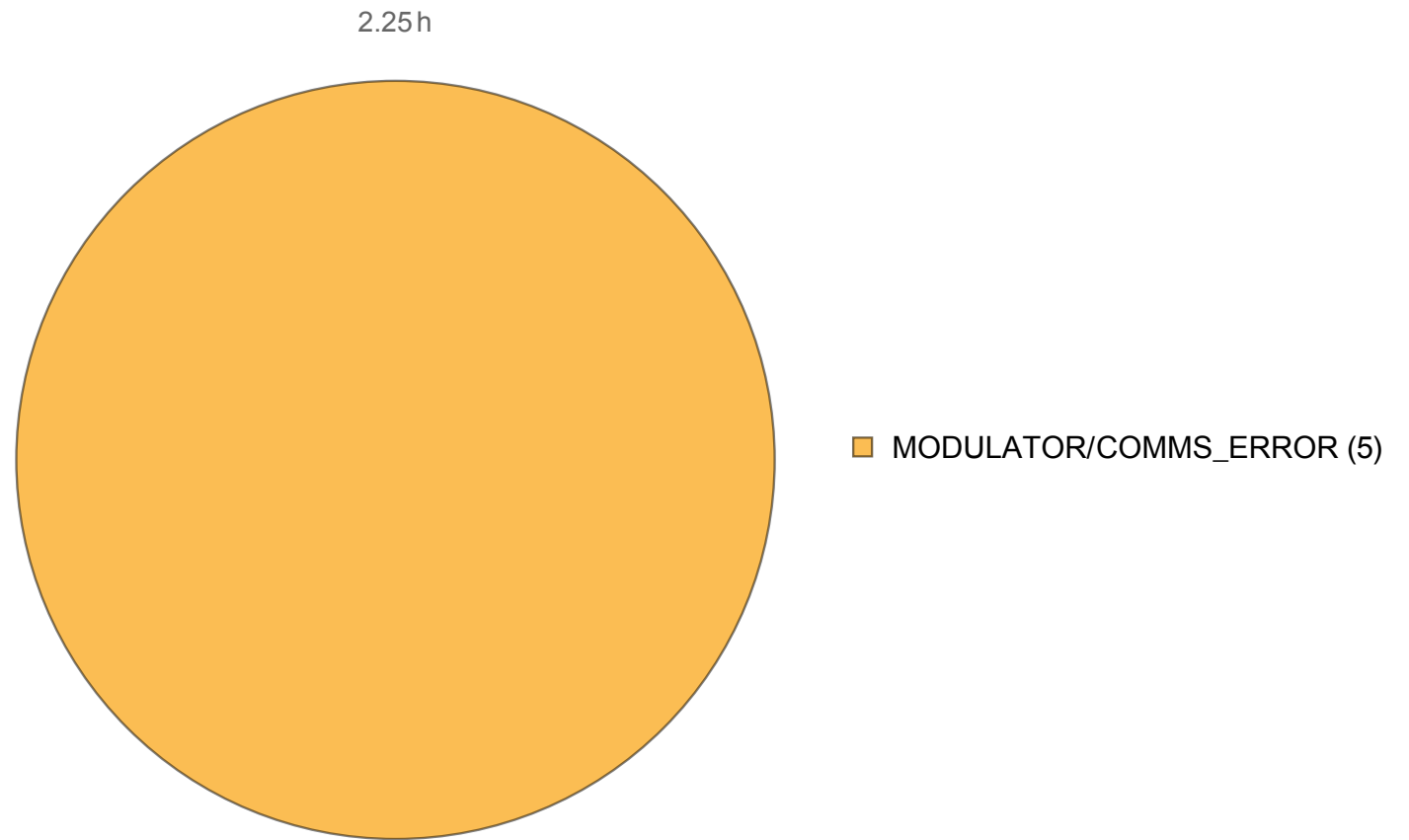


Calendar Week 9

08:00 Wednesday 26.02.20 — 08:00 Monday 02.03.2020

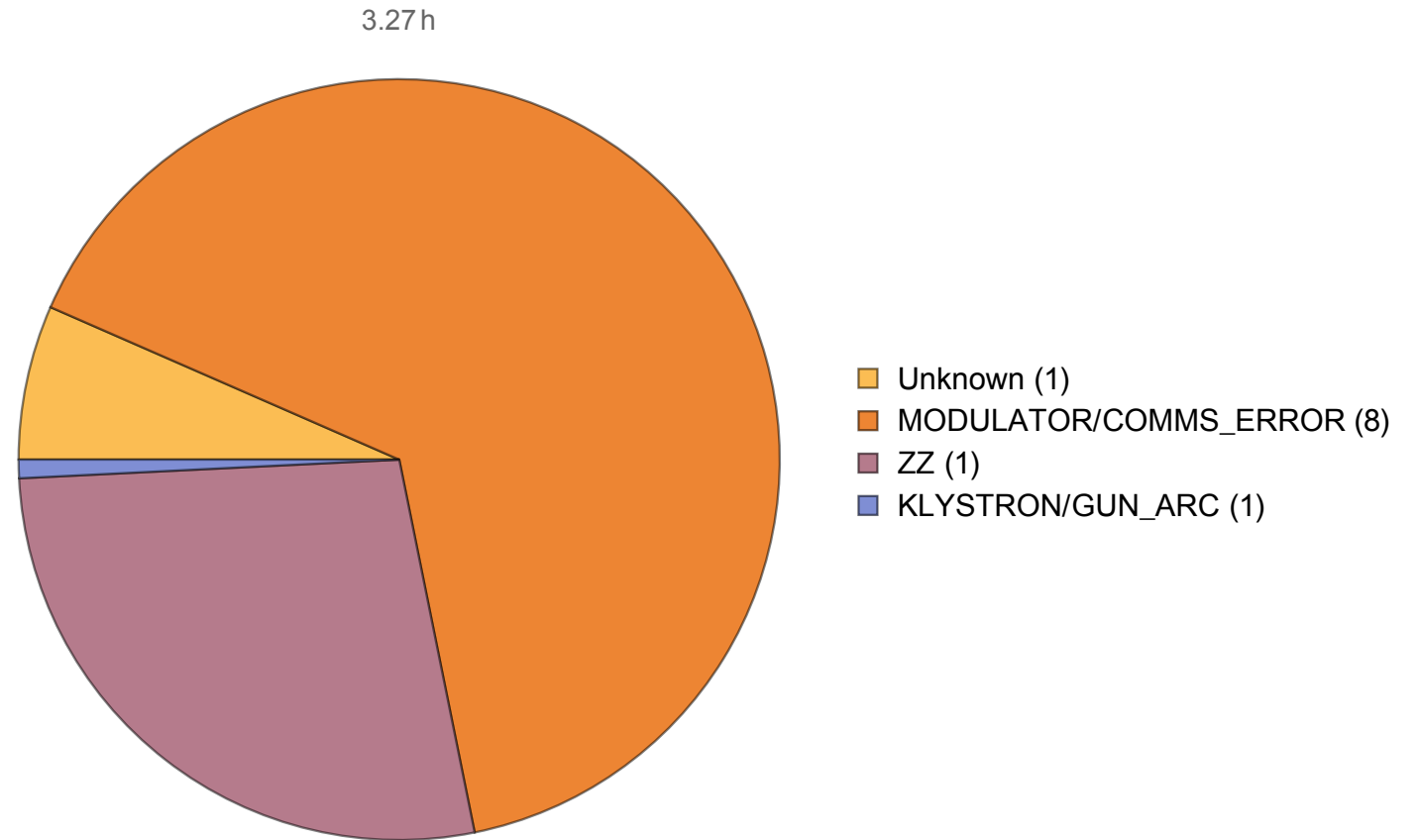
LINAC Availability: 98.1%



Calendar Week 10

08:00 Wednesday 04.03.20 — 08:00 Monday 09.03.2020

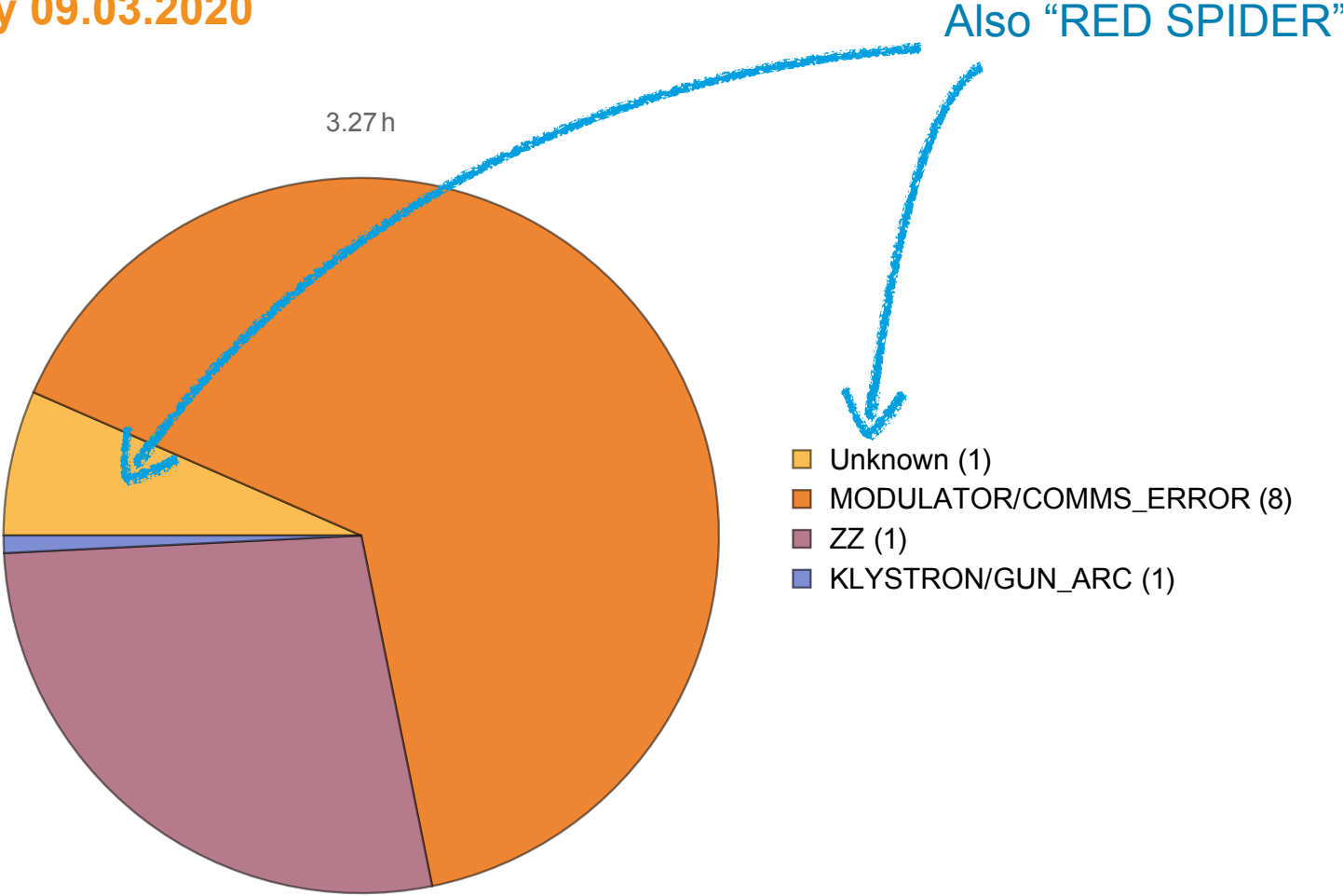
LINAC Availability: 97.3%



Calendar Week 10

08:00 Wednesday 04.03.20 — 08:00 Monday 09.03.2020

LINAC Availability: 97.3%



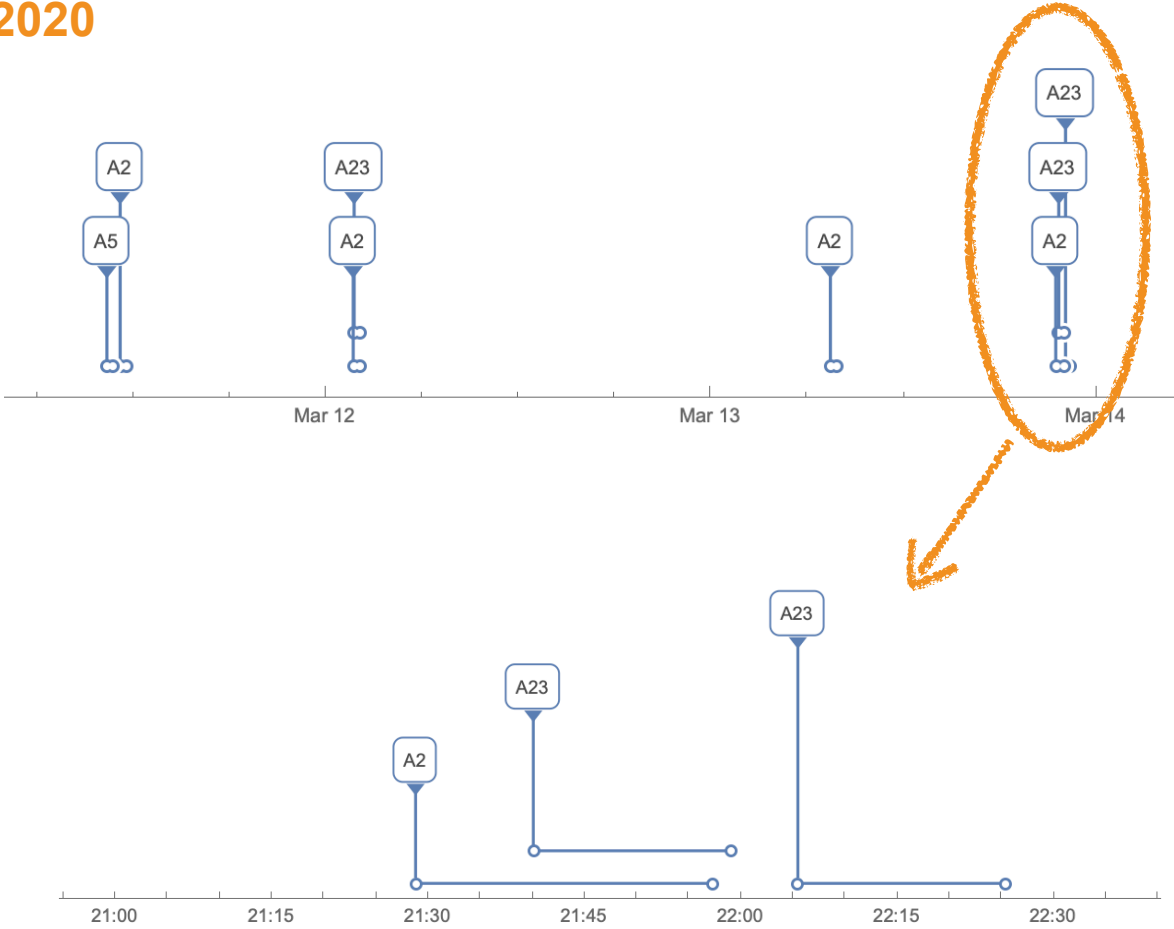
Calendar Week 11

08:00 Wednesday 11.03.20 — 08:00 Monday 16.03.2020

LINAC Availability: 97.9%

More “interesting” week as there were cases of overlapping faults

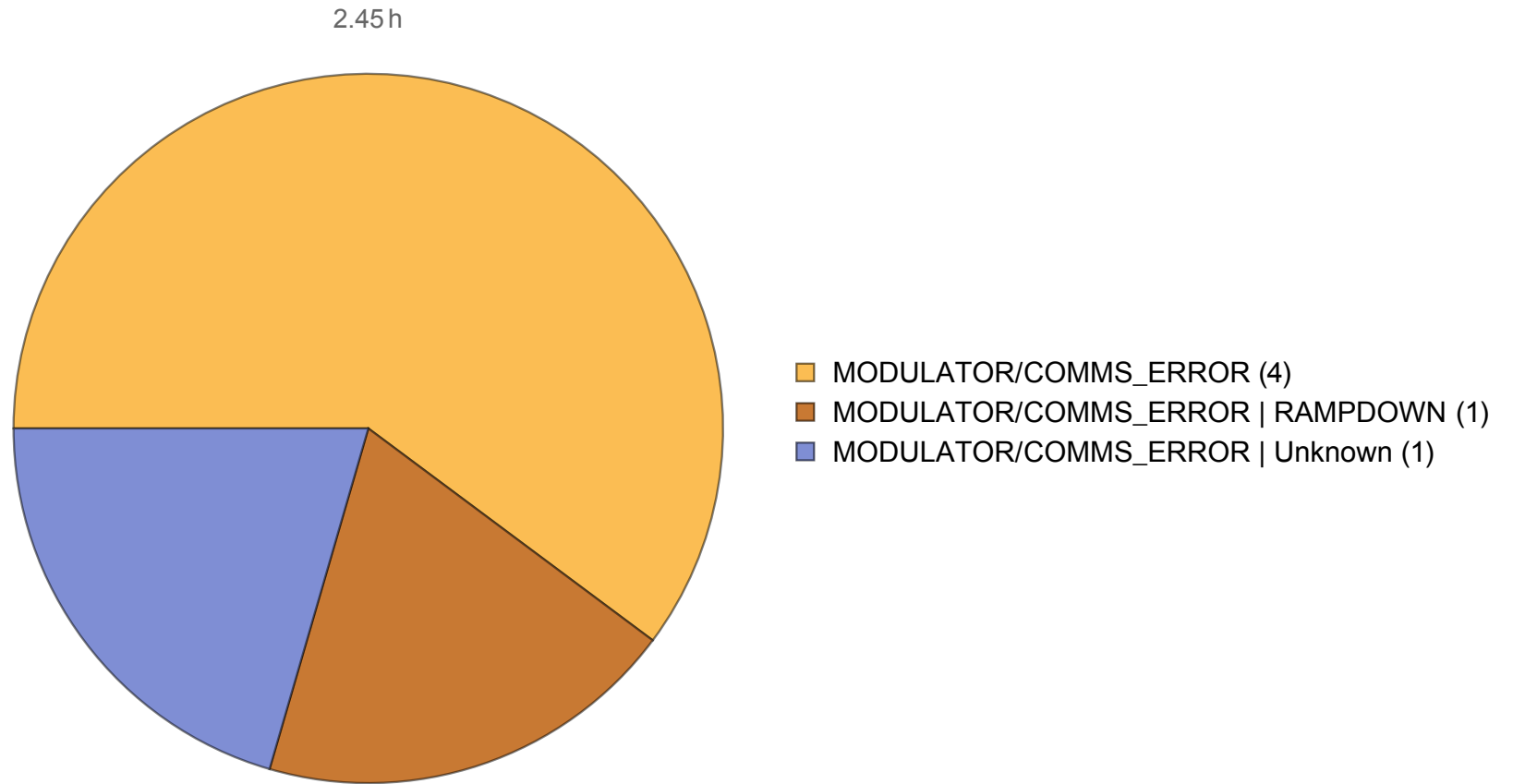
Time	Duration	A	RootCause
Wed 11 Mar 2020 10:22:55	25 min	A5	{MODULATOR, COMMS_ERROR}
Wed 11 Mar 2020 11:12:29	22 min	A2	{MODULATOR, COMMS_ERROR}
Thu 12 Mar 2020 01:43:27	28 min	A2	{MODULATOR, COMMS_ERROR}
Fri 13 Mar 2020 07:26:40	24 min	A2	{MODULATOR, COMMS_ERROR}
Fri 13 Mar 2020 21:28:48	29 min	A2	{MODULATOR, COMMS_ERROR}
Fri 13 Mar 2020 21:40:05	19 min	A23	Null
Fri 13 Mar 2020 22:05:28	20 min	A23	{MODULATOR, COMMS_ERROR}



Calendar Week 11

08:00 Wednesday 11.03.20 — 08:00 Monday 16.03.2020

LINAC Availability: 97.9%



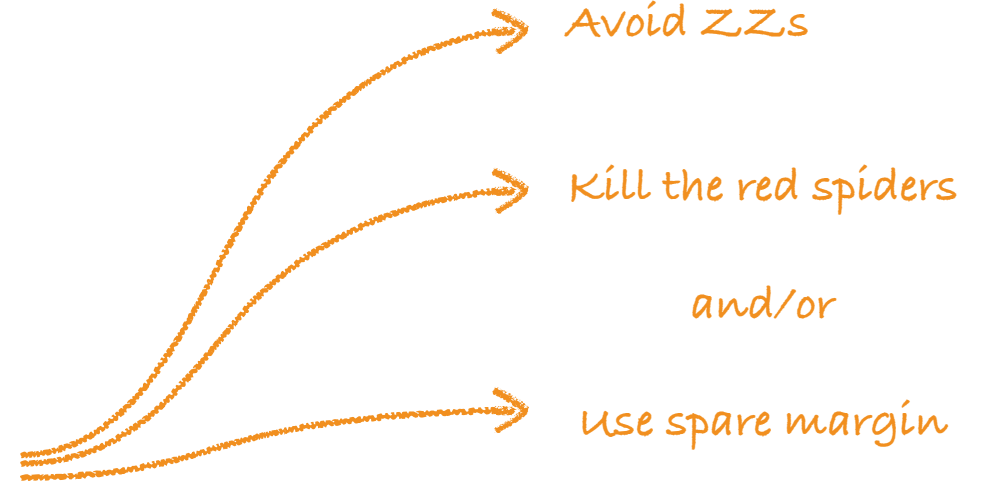
Food for thought

Availability goals

We should strive for $A = 99.0\%$

Five-day X-Ray delivery has 120 hours

Thus we allow ourselves 1.2h total of downtime



Database development

Simple SQLite3 implementation

Persistently stores key results of analysis runs

Good for generating high-level statistics over longer time frames

Planning to expand to contain additional parameters (e.g. PFI from DAQ snapshots).

Easier/quicker to access than running the Mathematica package.

Concept could be extended beyond LINAC RF?

