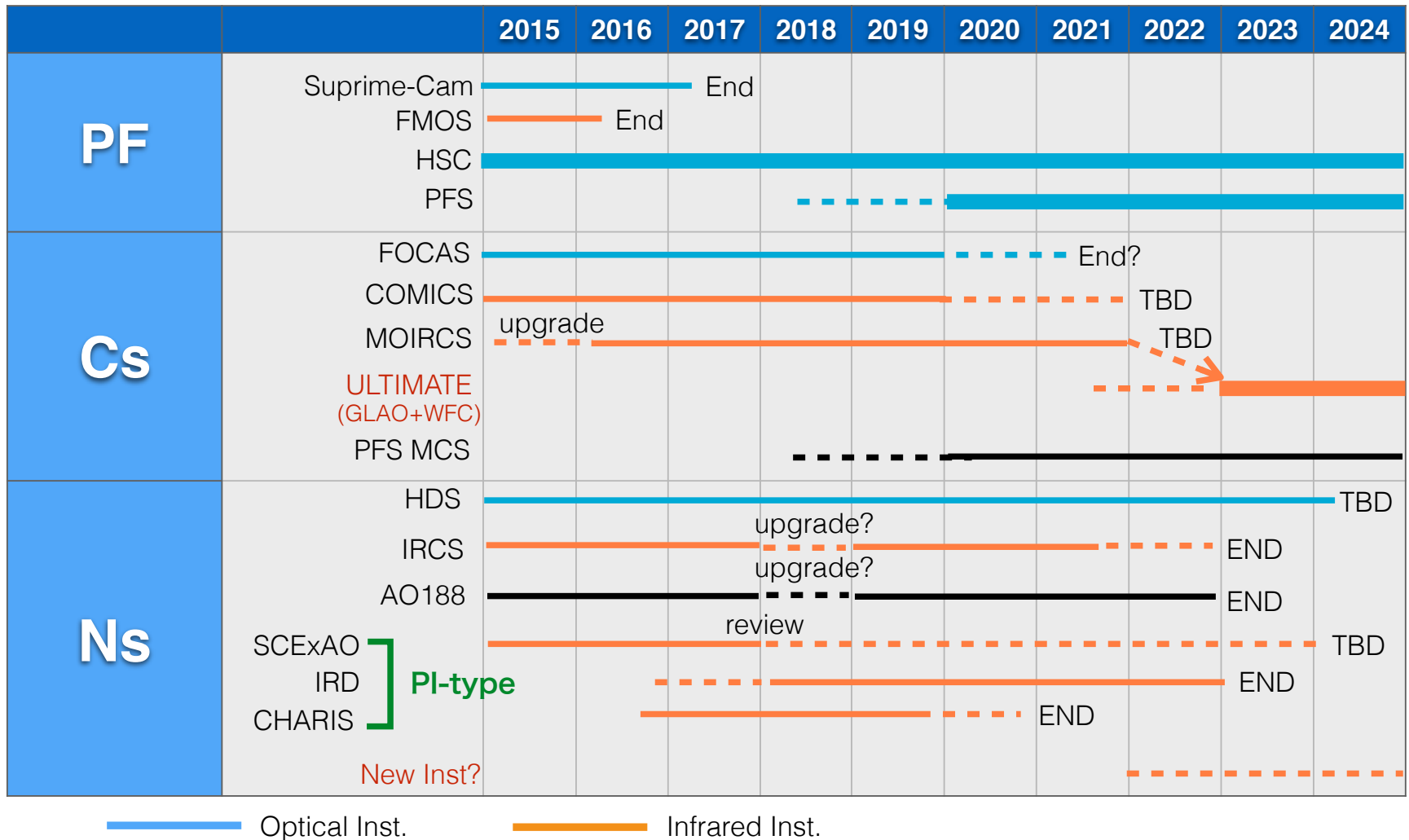


Subaru Telescope Instrument Timeline (version 2016/12/14)



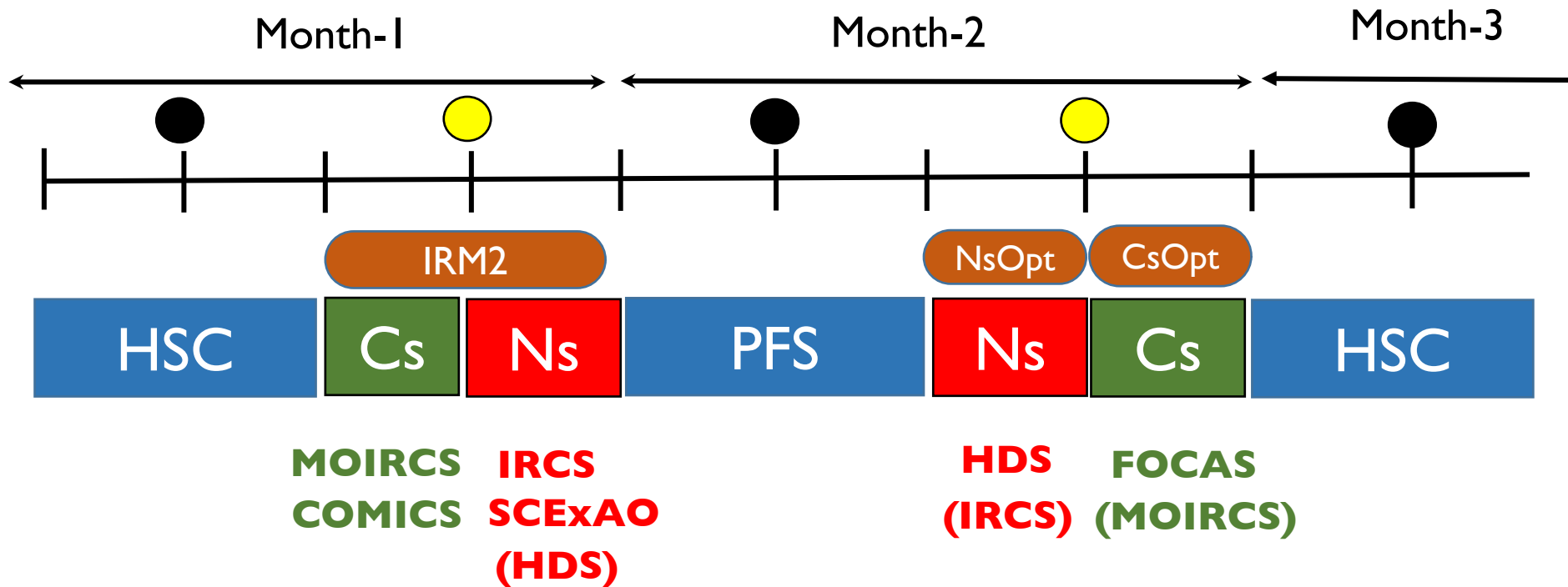
Key Points ~ How do we survive PFS era? ~

- Scientific uniqueness / competitiveness
- Community's need
- Publication efficiency
- Stability of the instrument
- Running costs (work roads)

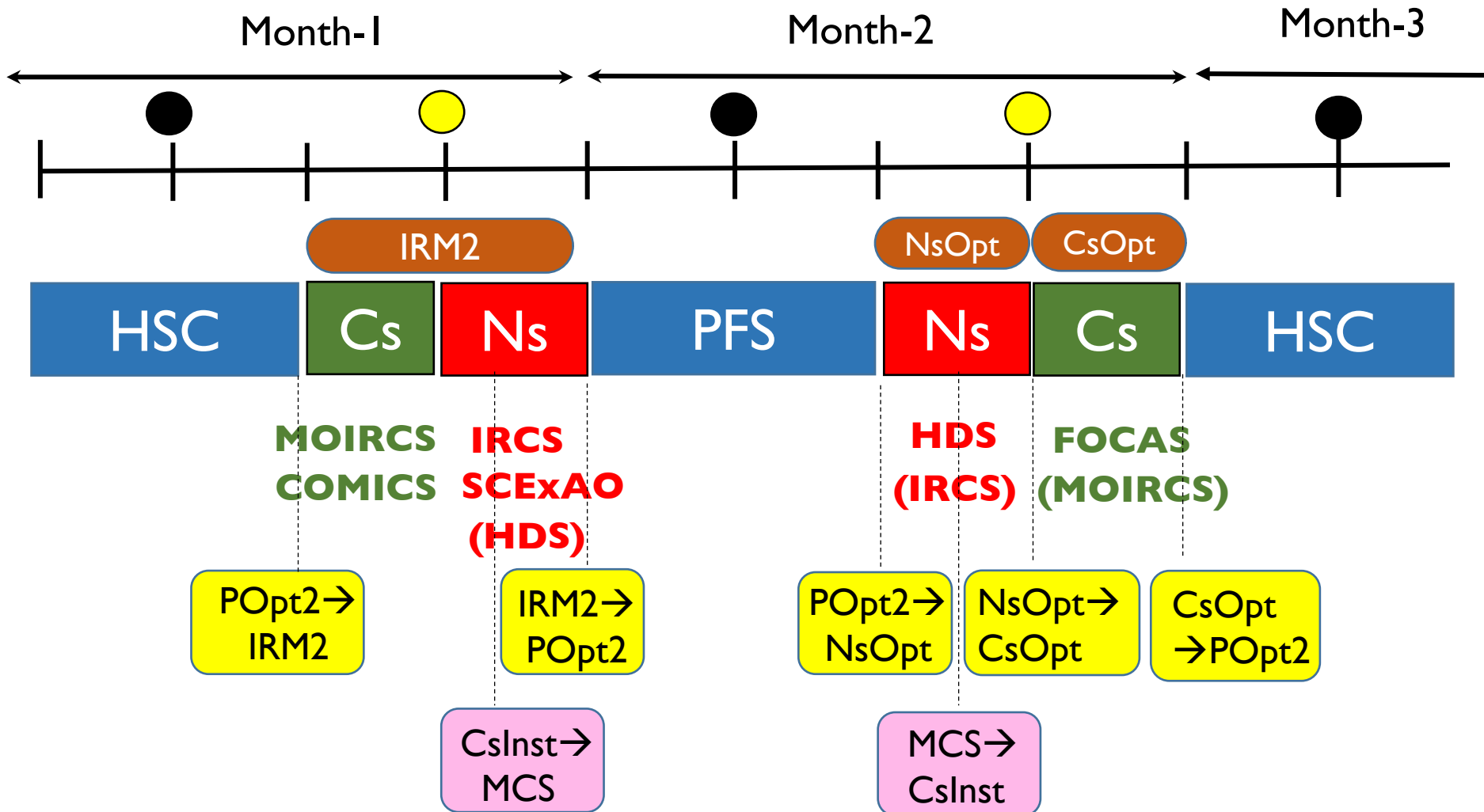
Key Points ~ How do we survive PFS era? ~

- **HSC & PFS** will dominate dark nights.
- **FOCAS** will be decommissioned after **PFS** starts: exact year of decommission is TBD.
- We hope to keep **MOIRCS** as the 1st-light instrument of **ULTIMATE**.
- We plan to keep **HDS & COMICS** for as long as possible (until the day they die?) – their unique capability is competitive up to TMT era.
- We hope to keep upgrading **IRCS & AO I88** until we commission **ULTIMATE**.
- We encourage **PI-type instruments** as much as possible - to promote instrumentation.

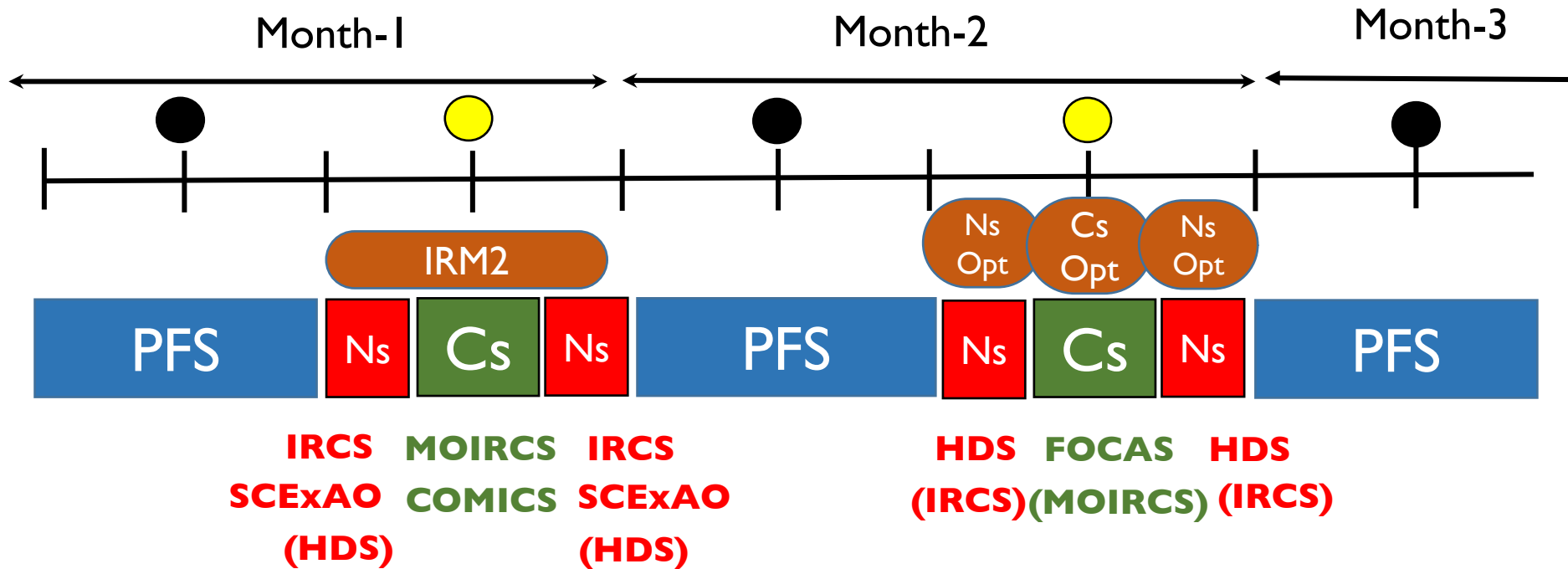
Example of instrument exchange schedule in PFS era (I)



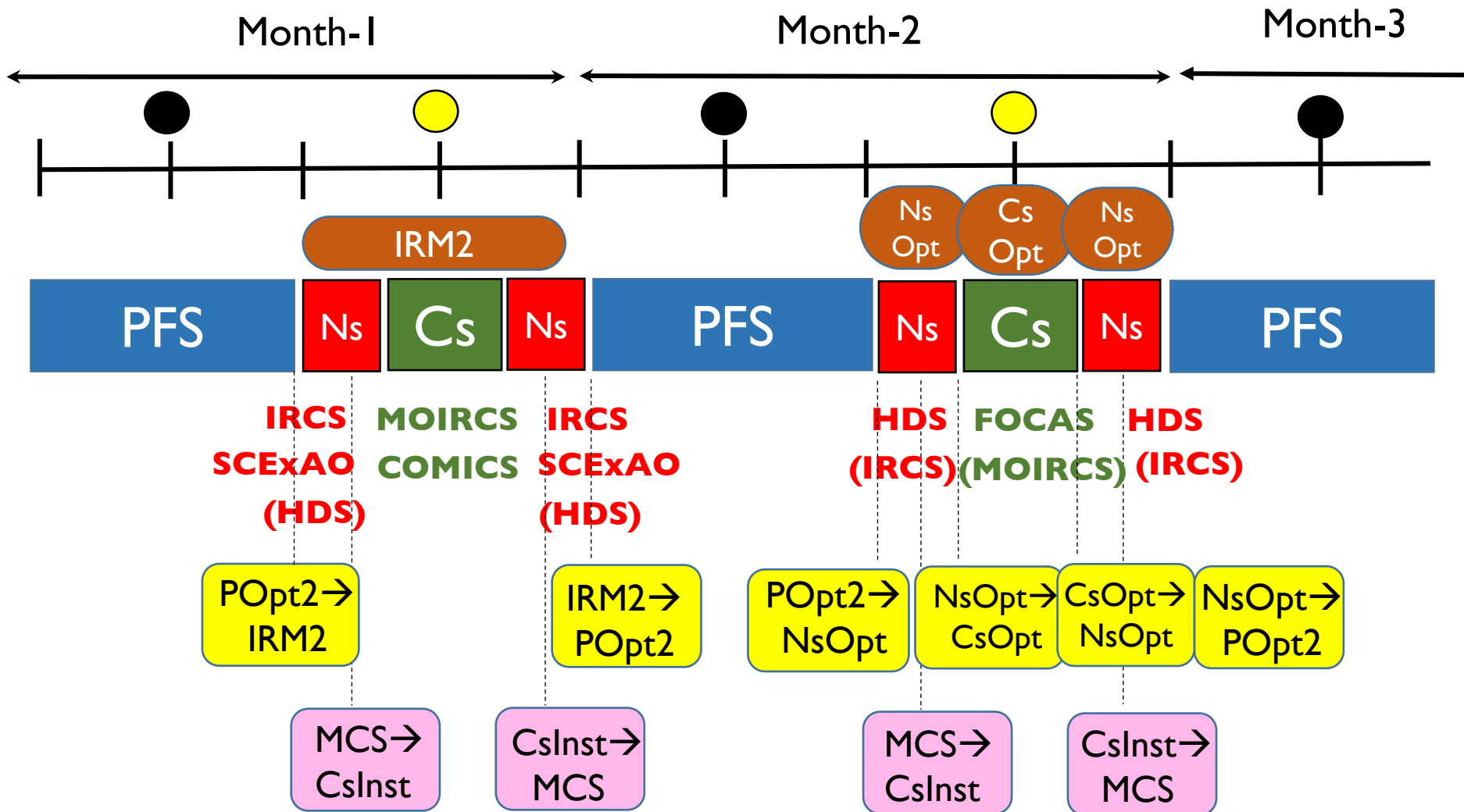
Example of instrument exchange schedule in PFS era (I)



Example of instrument exchange schedule in PFS era (2)



Example of instrument exchange schedule in PFS era (2)



Key Points (Discussion items)

- FOCAS operation in bright condition, or reduce the number of HSC nights?
- Instrument exchange only once per week? Is this acceptable? Too hard? (or easy...?)
- Do not accept half-night allocation?
 - Extending service/queue type observation?
- How strongly should we say about these requirements to the community?