

## TAHOPE 2022 IOPs & SOPs List

	Period	Description
SOP1	5/25 00Z – 5/26 00Z	Mei-Yu front and MCS
IOP1	5/26 00Z – 5/28 00Z	Mei-Yu front and MCS (Backbuilding MCS on 5/26)
IOP2	5/31 00Z – 5/31 12Z	Afternoon thunderstorm (Thunderstorms with seep echo top of 16-km over Yilan)
IOP3	6/06 06Z – 6/12 12Z	Quasi-stationary Mei-Yu front on Taiwan (Backbuilding MCS over Miaoli; a squall line approaching northern Taiwan on 6/10)
IOP4	6/15 00Z – 6/16 00Z	Prefrontal southwesterly in a weakening Mei-Yu front (Dry air intrusion at low level over northern Taiwan)
SOP2	6/23 00Z – 6/24 00Z	Afternoon thunderstorm
SOP3	6/24 00Z – 6/25 00Z	Afternoon thunderstorm (Hail case at Taipei Basin)
IOP5	6/25 00Z – 6/25 15Z	Afternoon thunderstorm (Intense thunderstorms over Taipei, Taoyuan, and Miaoli)
SOP4	6/29 00Z – 6/30 00Z	Afternoon thunderstorm
IOP6	7/01 00Z – 7/04 00Z	Rainfall associated with TC Chaba and TC Aere (Heavy rainfall on eastern and southern Taiwan)
IOP7	7/05 00Z – 7/05 04Z	Typhoon Aere approaching Kyushu with dropsondes observation (Heavy rainfall over Kyushu and Honshu)
SOP5	7/05 00Z – 7/06 00Z	Afternoon thunderstorm at Taipei Basin
SOP6	7/06 00Z – 7/07 00Z	Afternoon thunderstorm at Taipei Basin
IOP8	7/13 06Z – 7/16 06Z	Rainfall associated with TD 90W (Heavy rainfall on eastern and southern Taiwan)
SOP7	7/19 00Z – 7/20 00Z	Afternoon thunderstorm at Taipei Basin
SOP8	7/20 00Z – 7/21 00Z	Afternoon thunderstorm at Taipei Basin
IOP9	7/29 00Z – 7/29 12Z	Moisture transport by low pressure and afternoon thunderstorm (Heavy rainfall in the evening; thunderstorms and lightning over northern Taiwan)
IOP10	8/01 00Z – 8/03 18Z	Moisture transport by low pressure (Heavy rainfall in Taipei Basin, central and southern Taiwan)
IOP11	8/04 00Z – 8/04 12Z	Afternoon thunderstorm (Thunderstorms in Taipei Basin)

備註：

IOP (intensive observation periods) 為有劇烈降水天氣且有額外密集觀測之個案。

SOP (special observation periods) 為有劇烈降水天氣，但沒有額外密集觀測之個案(無探空加放)。