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| **тип запроса** | **описание** | **запрос** | **параметры(get) или тело запроса(post)** | **ответ** |
| get | запросить все доступные результаты | /modelling\_result\_list |  | {  "success": 1,  "configurations": {  "0\_2020-01-01-2020-01-02": {  "instruments": [  {  "nsr": 10093,  "cod": "Кис2",  "locname": "Кисловодск",  "latitude": 43.7402600307874,  "longitude": 42.6536598478286,  "altitude": 2107.7471803287,  "aperture": 19.2,  "secondary\_coefficient": 0.52,  "pixel\_scale": 6.3,  "readout\_noise": 5,  "fovx": 14.0,  "fovy": 9.0,  "frame\_readout": 0.5,  "frame\_flush": 5.0,  "task\_switch\_time": 6,  "stabilization\_time": 10,  "mount\_type": "экваториальная",  "slew\_vel\_alpha": 1.8,  "slew\_vel\_delta": 1.8,  "min\_elevation": 10,  "transmittivity": 0.5,  "quantum\_efficiency": 0.8,  "mode": "обзор",  "noko\_twilight": false,  "noko": false,  "gso\_survey": true  }  ]  }}} |
| get | показать результаты для расчета с заданным id | http://modeller:9090/modelling\_result?id=0\_2020-01-01-2020-01-02 | id | {  "success": 1,  "min size inc height": {  "type": "image",  "data": ""  } } |
| get | запросить доступные каталоги | http://modeller:9090/catalog\_list?year=2020 | year | **{**  **"success": 1,**  **"message": ["anc"]**  **}** |
| POST | Отправить данные для расчета | http://modeller:9090/run\_modelling | {  "start\_date":"2020-01-01",  "end\_date":"2020-12-31",  "catalogue":"2020",  "instruments": [  {  "nsr": 10093,  "cod": "Кис2",  "locname":"Кисловодск",  "latitude": 43.7402600307874,  "longitude": 42.6536598478286,  "altitude": 2107.7471803287,  "aperture": 19.2,  "secondary\_coefficient": 0.52,  "pixel\_scale": 6.3,  "readout\_noise":5,  "fovx": 14.0,  "fovy": 9.0,  "frame\_readout": 0.5,  "frame\_flush": 5.0,  "task\_switch\_time": 6,  "stabilization\_time": 10,  "mount\_type":"экваториальная",  "slew\_vel\_alpha": 1.8,  "slew\_vel\_delta": 1.8,  "min\_elevation": 10,  "transmittivity": 0.5,  "quantum\_efficiency": 0.8,  "mode": "обзор",  "noko\_twilight": false,  "noko": false,  "gso\_survey": true  }  ],  "sun\_elevation":18,  "detectable\_snr":3.0,  "max\_exp":7.0,  "max\_track\_length":0.05,  "zenith\_sky\_brightness":22  } | {  "success":1,  "message":"running process 1"  } |
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