Table S2. Available years of satellite estimates for air pollution and metrics used for national prediction models

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| --- | --- | --- | --- |
| Pollutant | Available years | Metrics for years with data | Metrics for years without data |
| NO2 | 2005-2015 | Annual average | 3-year average for the earliest or latest 3 years a  |
|  |  | 3-year average | 3-year averages for the earliest or latest 3 years 3-year average for the earliest or latest 3 years  |
| SO2 | 2005-2016 | Annual average | 3-year average for the earliest or latest 3 years  |
| CO | 2001-2016 | Annual average | 3-year average for the earliest or latest 3 years  |
| HCHO | 2005-2016 | 12-year average | 12-year average  |
| PM2.5 | 1998-2014 | Annual average | 3-year average for the earliest or latest 3 years3-year average for the earliest or latest 3 years  |

a. 3-year average for 2005-2007 before 2005