SFO COMMUNITY ROUNDTABLE

Meeting Announcement

Technical Working Group

Tuesday, August 29, 2023
3:30 p.m. – 5:00 p.m.
VIA HYBRID ACCESS

Foster City Council Chambers Conference Room
620 Foster City Blvd. – Foster City, CA 94404

Public may also join the webinar:
https://smcgov.zoom.us/j/98025302813
Or Dial-in:
US: +(669)900-6833 Webinar ID: 980 2530 2813

This meeting of the Technical Working Group (TWG) will be in person at the above mentioned address. Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at 620 Foster City Boulevard, Foster City, CA 94404. For information regarding how to participate in the meeting, either in person or remotely, please refer to instructions at the end of the agenda.

HYBRID PUBLIC PARTICIPATION:
List of attendees (using zoom sign-in credentials) will be displayed periodically throughout the meeting.

The TWG Subcommittee meeting may be accessed through the above mentioned Zoom webinar. Members of the public may also attend this meeting physically in the Foster City Council Chambers Conference Room at 620 Foster City Blvd. Foster City, CA 94404.
*Written public comments can be emailed to amontescardenas@smcgov.org, and should include specific agenda item to which you are commenting.
*Spoken public comments will also be accepted during the meeting in-person or via Zoom on Items NOT on the Agenda and for each Agenda Item at the option of the speaker.

**Please see instructions for written and spoken comments at the end of this agenda.

ADA Requests
Individuals who require special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the agenda packet or other writings that may be distributed at the meeting, should contact Angela Montes, as early as possible but no later than 10:00am the day before the meeting at amontescardenas@smcgov.org. Notification in advance of the meeting will enable Staff to make reasonable arrangements to ensure accessibility to this meeting, the materials related to it, and your ability to comment.

AGENDA

Call to Order

Public Comment on Items NOT on the Agenda

REGULAR AGENDA

1. **Ground Based Augmentation System (GBAS) Update**
   Paul Hannah, SFO, Consultant, Chief Airspace and Flight Operations Engineer

2. **Flight Procedures, Flight Tracks & Airport Director's Report Data** pg.4
   Bert Ganoung, SFO, Noise Office Manager
   Attachment: Airport Director's Report, SFO Layout, Arrivals & Departures Presentation

3. **Adjourn**

****Instructions for Public Comment during Videoconference Meeting**

During the TWG Subcommittee hybrid meeting, members of the public may address the Membership as follows:

Written Comments:
Written public comments may be emailed in advance of the meeting. Please read the following instructions carefully:

1. Your written comment should be emailed to amontescardenas@smcgov.org
2. Your email should include the specific agenda item on which you are commenting.
3. Members of the public are limited to one comment per agenda item.
4. The length of the emailed comment should be commensurate with two minutes customarily allowed for verbal comments, which is approximately 250-300 words.
5. If your emailed comment is received by 5:00 pm on the day before the meeting, it will be provided to the Roundtable and made publicly available on the agenda website under the specific item to which comment pertains. The Roundtable will make every effort to read emails received after that time but cannot guarantee such emails will be read during the meeting, although such emails will still be included in the administrative record.

Spoken Comments:
In-person Participation:

1. If you wish to speak to the Membership, please fill out a speaker's slip located at the entrance. If you have anything you wish distributed to the Membership and included in the official record, please hand it to the Clerk who will distribute the information to the Membership and Staff.

Via Teleconference (Zoom):

1. The TWG Subcommittee meeting may be accessed through Zoom online at https://smcgov.zoom.us/s/98025302813. The webinar ID: 980 2530 2813. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering webinar ID then press #. Members of the public can also attend this meeting physically in the Foster City Council Chambers Conference Room at 620 Foster City Blvd, Foster City, CA 94404.
2. You may download the Zoom client or connect to the meeting using the internet browser. If you are using your browser, make sure you are using current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.
3. You will be asked to enter an email address and name. We request that you identify yourself by name as this will be visible online and will be used to notify you that it is your turn to speak.
4. When the Chairperson calls for the item on which you wish you speak click on "raise-hand" icon. You will then be called on and unmuted to speak.

***Additional Information**:

For any questions or concerns regarding Zoom, including troubleshooting, privacy, or security settings, please contact Zoom directly.

Airport Director's Report, SFO Layout, Arrivals & Departures

SFO Airport/Community Roundtable
Technical Working Group Meeting

August 29, 2023

SFO

Agenda

1. Airport Director’s Report Deep Dive
2. The Layout of SFO’s Runways
3. Arrivals
4. Departures

The Monthly Airport Director's Report

A Deep Dive

Airport Director's Report

Presented at the August 2, 2023
Airport/Community Roundtable
Meeting

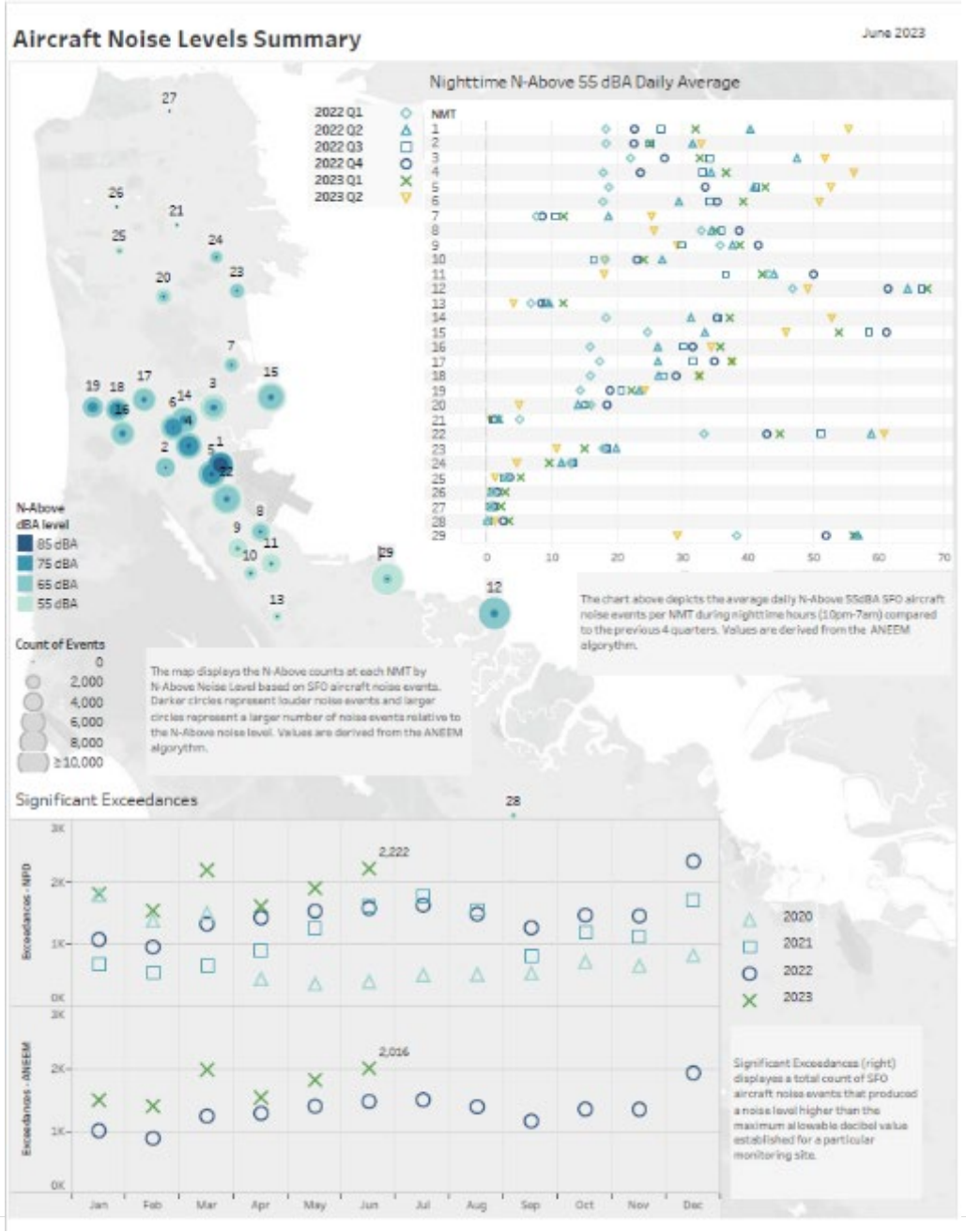
Aircraft Noise Office
June 2023

SFO San Francisco International Airport

SFO

The Monthly Airport Director's Report

Aircraft Noise Levels Summary Page



The Monthly Airport Director's Report

Aircraft Noise Levels Details

Aircraft Noise Levels Details

June 2023

		ANOMS						ANEEM			
		Aircraft				Community		Aircraft			
NMT	City	Noise Events (AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)	CNEL (dBA)	Ambient Level (dBA)	Noise Events (AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)
1	San Bruno	226	74	93	82	66	54	223	74	93	82
2	San Bruno	125	57	80	68	63	51	137	58	80	68
3	SSF	109	60	82	70	60	43	274	60	79	65
4	SSF	197	68	89	77	59	43	267	68	87	73
5	San Bruno	211	68	88	76	60	45	272	68	87	73
6	SSF	170	65	87	75	58	43	258	65	85	70
7	Brisbane	49	53	79	68	59	46	106	54	77	64
8	Millbrae	7	49	89	75	64	48	141	53	77	66
9	Millbrae	6	37	75	64	57	39	142	48	71	59
10	Burlingame	4	37	77	65	60	42	77	48	73	62
11	Burlingame	5	39	77	65	57	41	151	49	71	59
12	Foster City	393	63	82	71	58	42	485	63	81	69
13	Hillsborough	2	35	79	65	57	42	41	46	72	60
14	SSF	182	62	83	71	59	42	262	62	81	68
15	SSF	182	59	82	70	59	45	292	60	80	67
16	SSF	141	60	82	71	58	43	231	60	80	67
17	SSF	150	60	83	70	60	45	209	60	81	68
18	Daly City	147	64	87	75	59	45	208	64	85	71
19	Pacifica	131	61	84	73	59	41	144	61	83	72
20	Daly City	81	50	77	66	60	43	116	50	75	63
21	San Francisco	32	44	76	64	61	52	18	42	75	65
22	San Bruno	141	59	81	71	61	43	334	60	78	67
23	San Francisco	60	53	79	69	60	45	110	54	78	65
24	San Francisco	82	57	84	71	70	50	96	51	77	65
25	San Francisco	18	42	77	65	56	42	39	42	73	61
26	San Francisco	9	42	80	66	61	46	21	42	74	62
27	San Francisco	4	38	80	67	57	43	20	40	74	62
28	Redwood City	6	36	76	64	51	32	30	39	71	59
29	San Mateo	122	52	78	65	59	47	345	53	73	61

Noise Monitor's CNEL values (above) are derived from actual measured events and are used to validate the 65dBA CNEL noise footprint. Aircraft monthly CNELs from both ANOMS NPD and ANEEM algorithms for each monitor site are provided with daily average aircraft counts, the average Sound Exposure Level (SEL), and average Maximum Level (LMax). Noise levels from other noise sources in the community calculated by ANOMS is provided as Community CNEL. Ambient Level is represented by the LA90 noise value which is the noise level exceeded at the monitor for 90% of the time.

SFO N-Above NPD

NMT	Min:Max LMax	55 dBA	60 dBA	65 dBA	70 dBA	75 dBA	80 dBA
1	66:101	6,834	6,834	6,834	6,549	5,698	4,361
2	61:83	3,805	3,805	3,416	1,121	44	4
3	62:90	3,234	3,234	2,915	1,263	506	123
4	61:95	5,944	5,944	5,822	4,961	3,845	2,041
5	63:92	6,330	6,330	6,309	5,628	3,903	1,395
6	61:91	5,133	5,133	5,033	4,308	3,000	753
7	61:80	1,348	1,348	1,134	454	69	2
8	68:90	181	181	181	155	72	29
9	59:74	95	92	37	1	0	0
10	60:76	65	63	26	6	2	0
11	60:75	49	49	21	4	1	0
12	63:86	11,968	11,968	11,901	7,836	735	24
13	59:74	27	25	17	7	0	0
14	61:88	5,489	5,489	5,288	3,408	693	27
15	61:84	5,504	5,504	5,227	2,709	387	11
16	61:86	4,262	4,262	4,104	2,626	507	2
17	62:92	4,552	4,552	4,355	2,504	382	26
18	64:88	4,402	4,402	4,393	3,889	2,431	587
19	65:84	3,954	3,954	3,954	3,114	1,113	53
20	59:85	2,200	2,168	1,103	253	77	9
21	59:79	418	405	146	10	1	0
22	64:84	4,207	4,207	4,195	2,569	399	22
23	63:83	1,670	1,670	1,600	525	40	3
24	59:83	2,137	2,134	1,837	1,188	520	36
25	58:79	371	354	179	38	4	0
26	60:77	141	141	66	7	4	0
27	62:78	21	21	14	8	1	0
28	59:74	93	89	21	1	0	0
29	59:85	3,941	3,884	1,349	361	90	8

SFO N-Above ANEEM

NMT	Min:Max LMax	55 dBA	60 dBA	65 dBA	70 dBA	75 dBA	80 dBA
1	56:101	6,658	6,652	6,633	6,387	5,568	4,237
2	53:90	4,039	3,998	3,480	1,092	28	1
3	53:87	7,289	6,224	3,346	1,244	476	117
4	53:95	7,643	7,316	6,049	4,893	3,757	1,990
5	53:92	7,945	7,718	6,852	5,571	3,819	1,349
6	53:91	7,343	6,762	5,199	4,179	2,909	734
7	53:80	2,601	2,140	1,239	474	73	2
8	53:88	4,106	3,850	2,120	594	153	43
9	53:78	3,577	1,611	306	37	3	0
10	53:76	1,962	1,414	489	61	3	0
11	53:86	3,769	1,517	357	54	5	1
12	54:82	13,553	12,963	11,470	7,466	654	12
13	53:73	980	479	125	5	0	0
14	53:83	7,439	7,079	5,605	3,386	871	23
15	53:84	8,498	7,808	5,782	2,737	391	5
16	53:80	6,338	5,527	4,219	2,552	495	0
17	53:90	5,989	5,653	4,382	2,301	312	9
18	53:88	5,942	5,462	4,608	3,792	2,367	575
19	54:84	4,320	4,273	3,997	2,967	1,062	50
20	53:79	2,650	2,288	939	125	18	0
21	60:72	265	265	136	6	0	0
22	53:85	9,712	8,605	6,349	2,829	407	19
23	53:79	2,479	2,256	1,634	498	27	0
24	54:83	1,964	1,667	1,022	404	85	6
25	53:73	722	473	159	16	0	0
26	53:76	261	220	70	5	1	0
27	53:78	122	86	25	8	1	0
28	53:68	421	157	15	0	0	0
29	53:79	10,322	6,767	911	66	3	0

Noise Monitor N-Above values (above) are derived from actual measured events and assigned to aircraft overflights using both ANOMS NPD and ANEEM algorithms. N-Above represents the count of events where the peak noise (LMax) reached above the designated dBA value. Note, the charts on this page represent only SFO aircraft-related noise events.

SFO

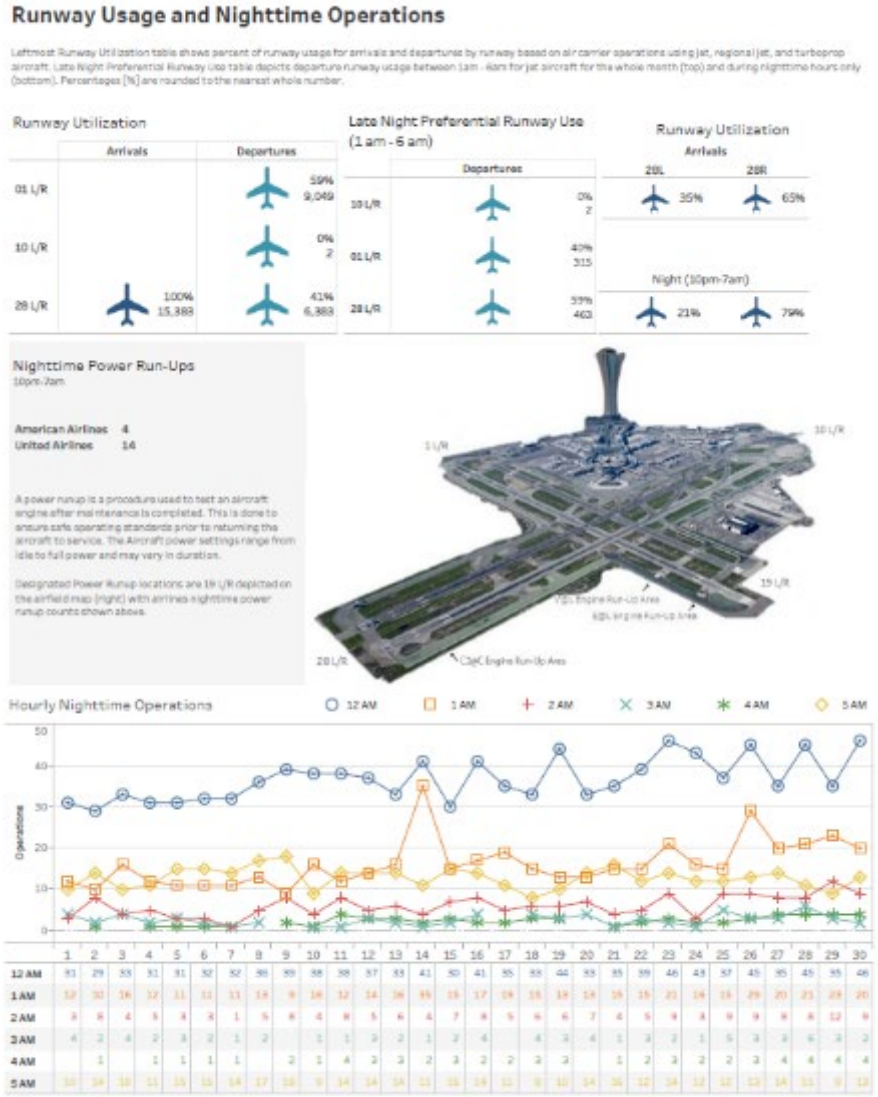
The Monthly Airport Director's Report

Operations

SFO

The Monthly Airport Director's Report

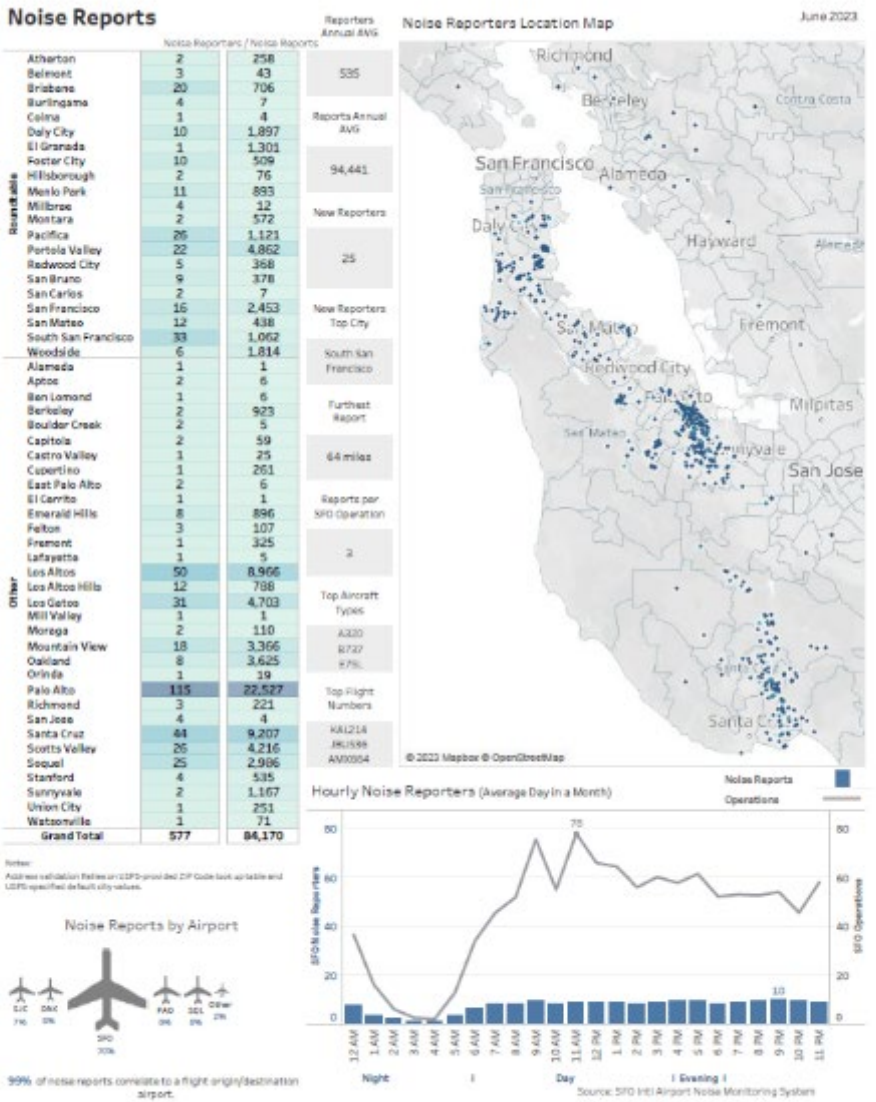
Runway Usage and Nighttime Operations



SFO

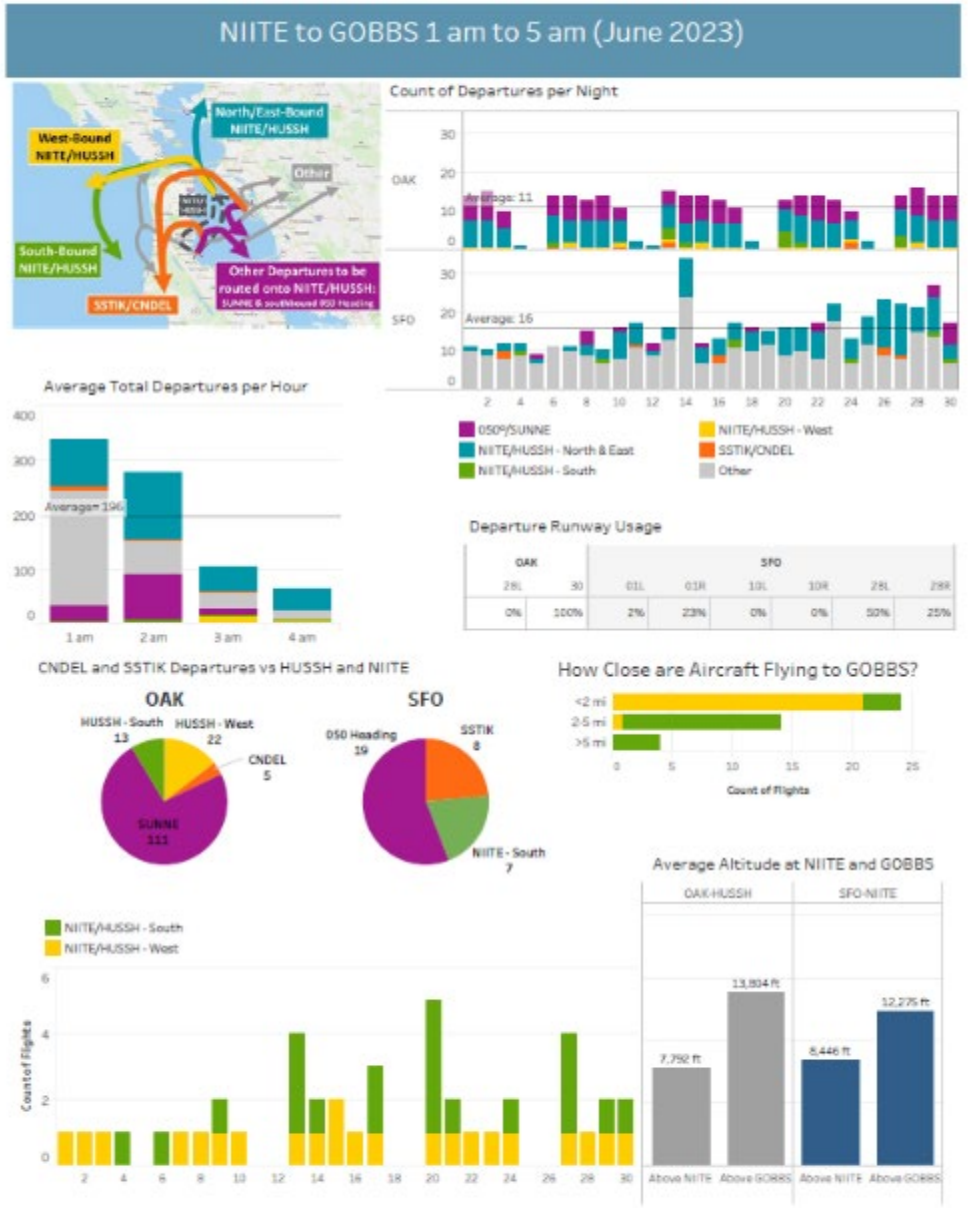
The Monthly Airport Director's Report

Noise Reports



The Monthly Airport Director's Report

NIITE to GOBBS 1am to 5 am



The Layout of SFO

Runways:

01L

01R

10L

10R

19L

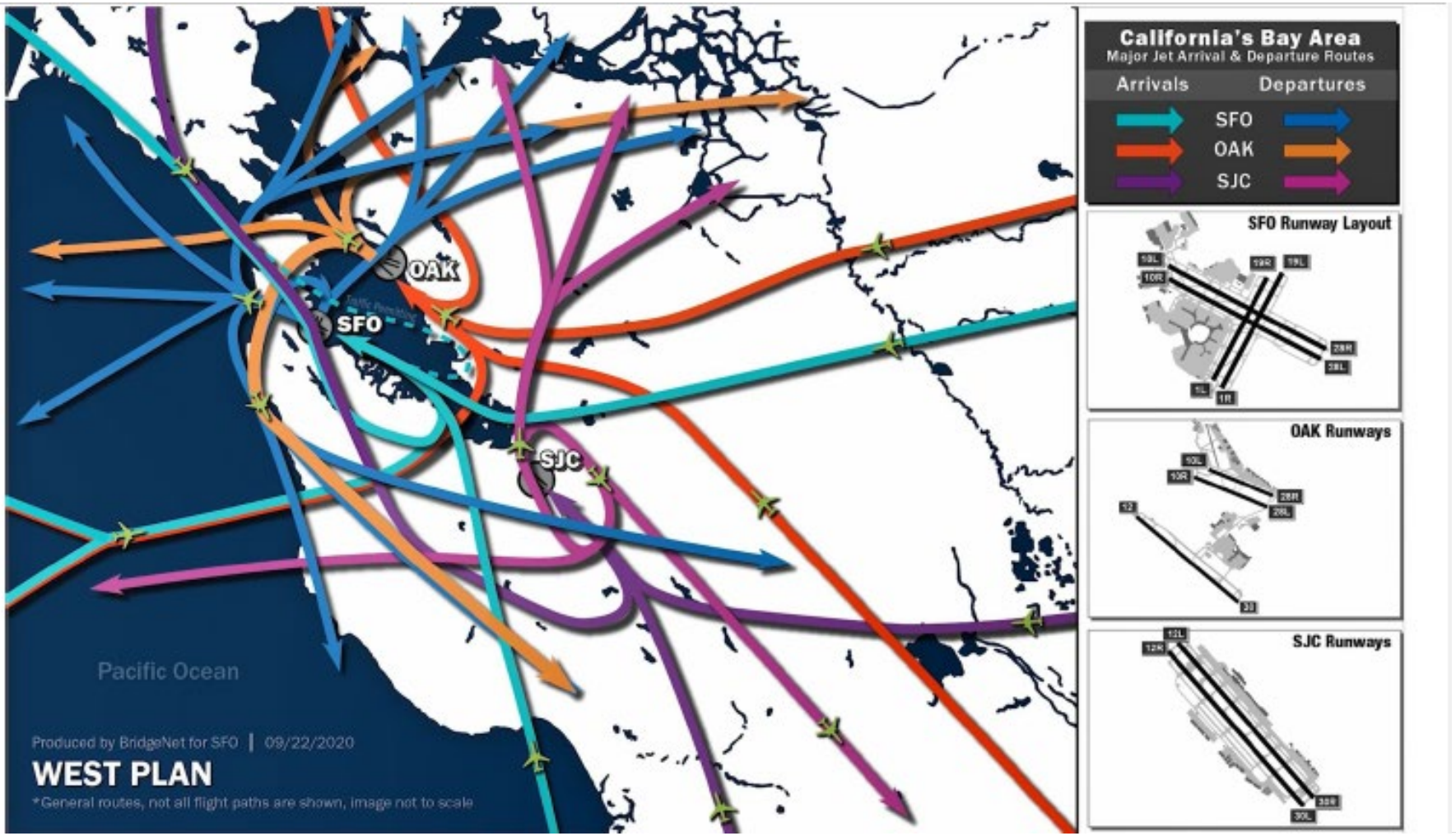
19R

28L

28R

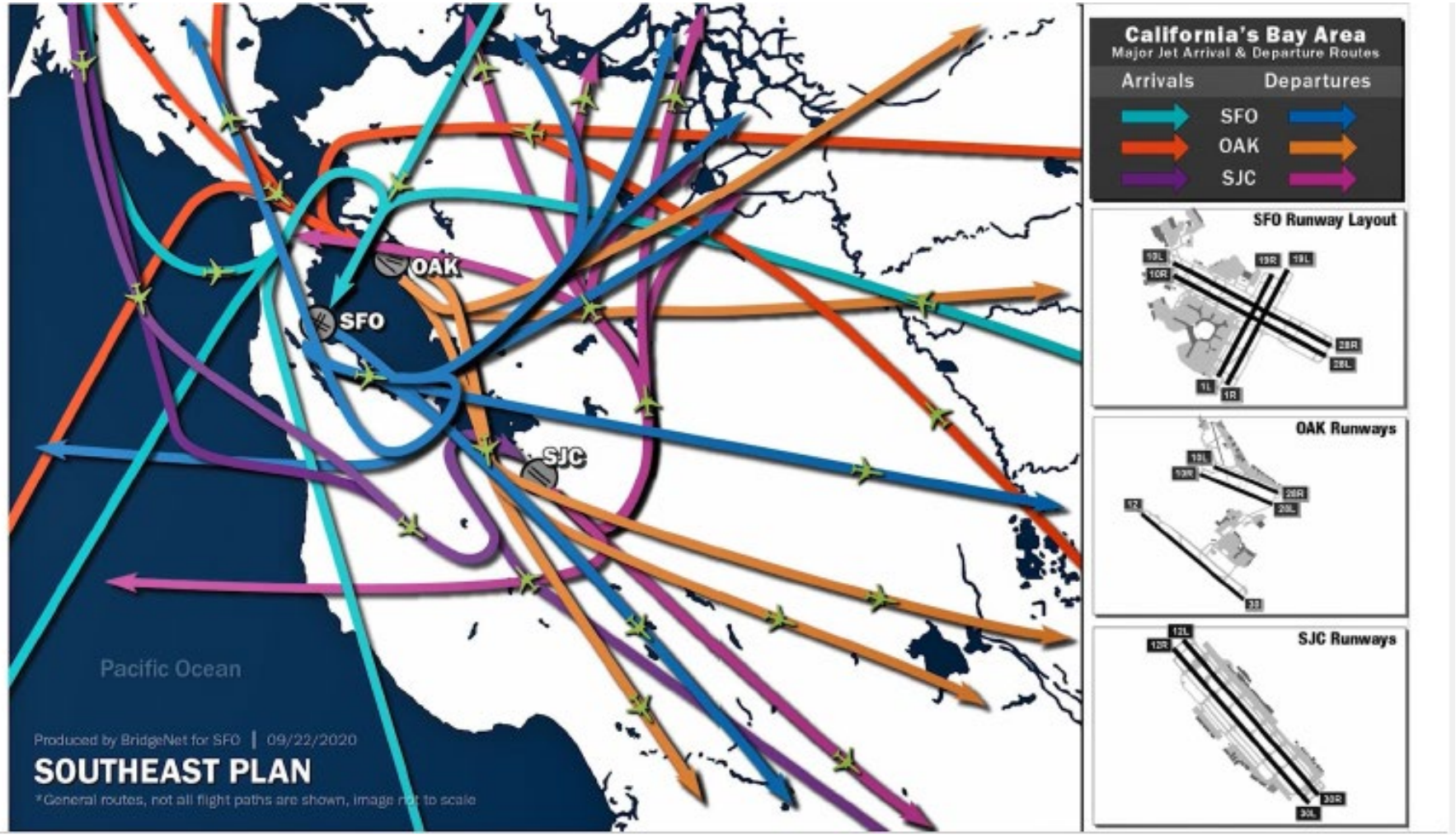
Bay Area Flight Operations

West Plan



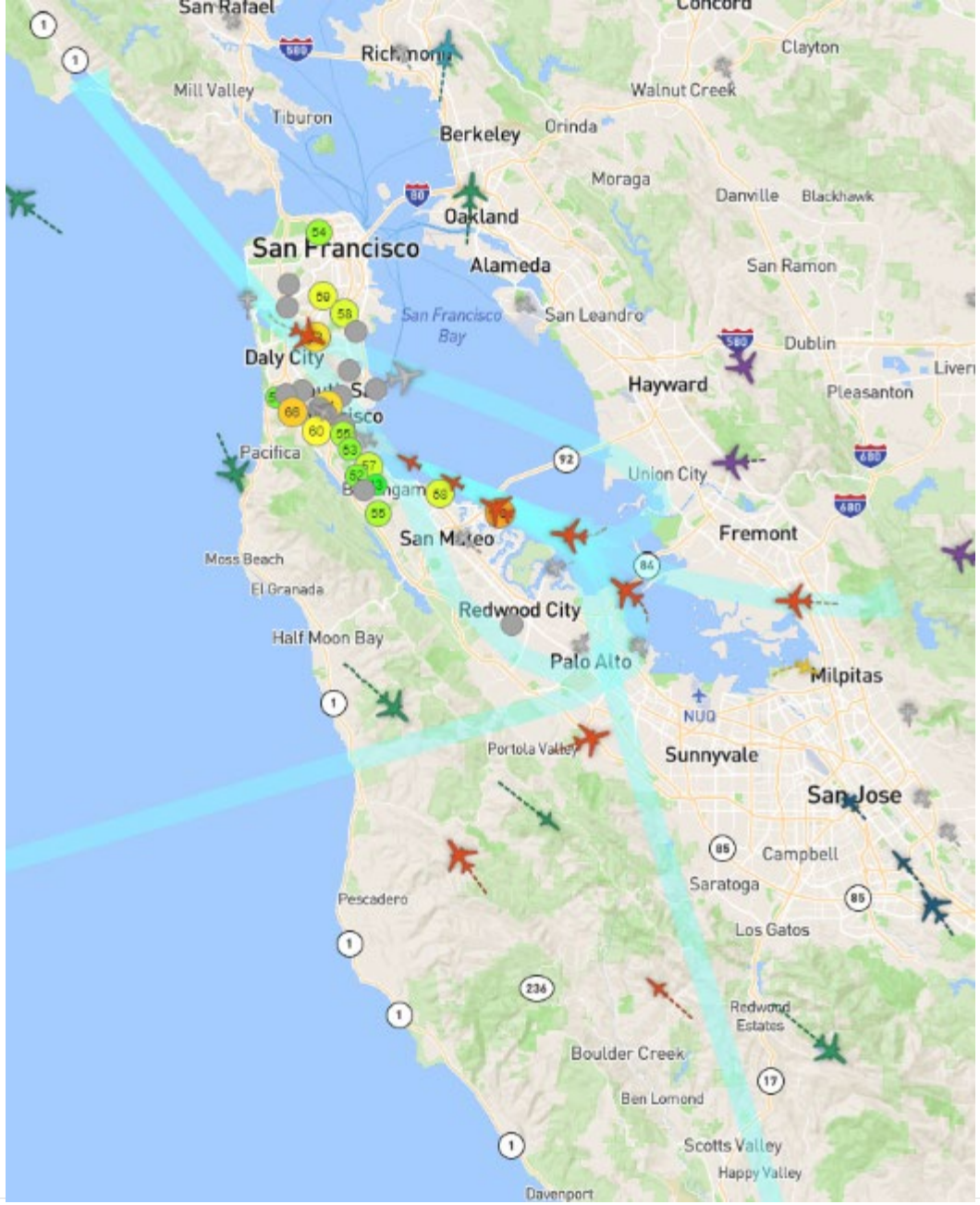
Bay Area Flight Operations

Southeast Plan



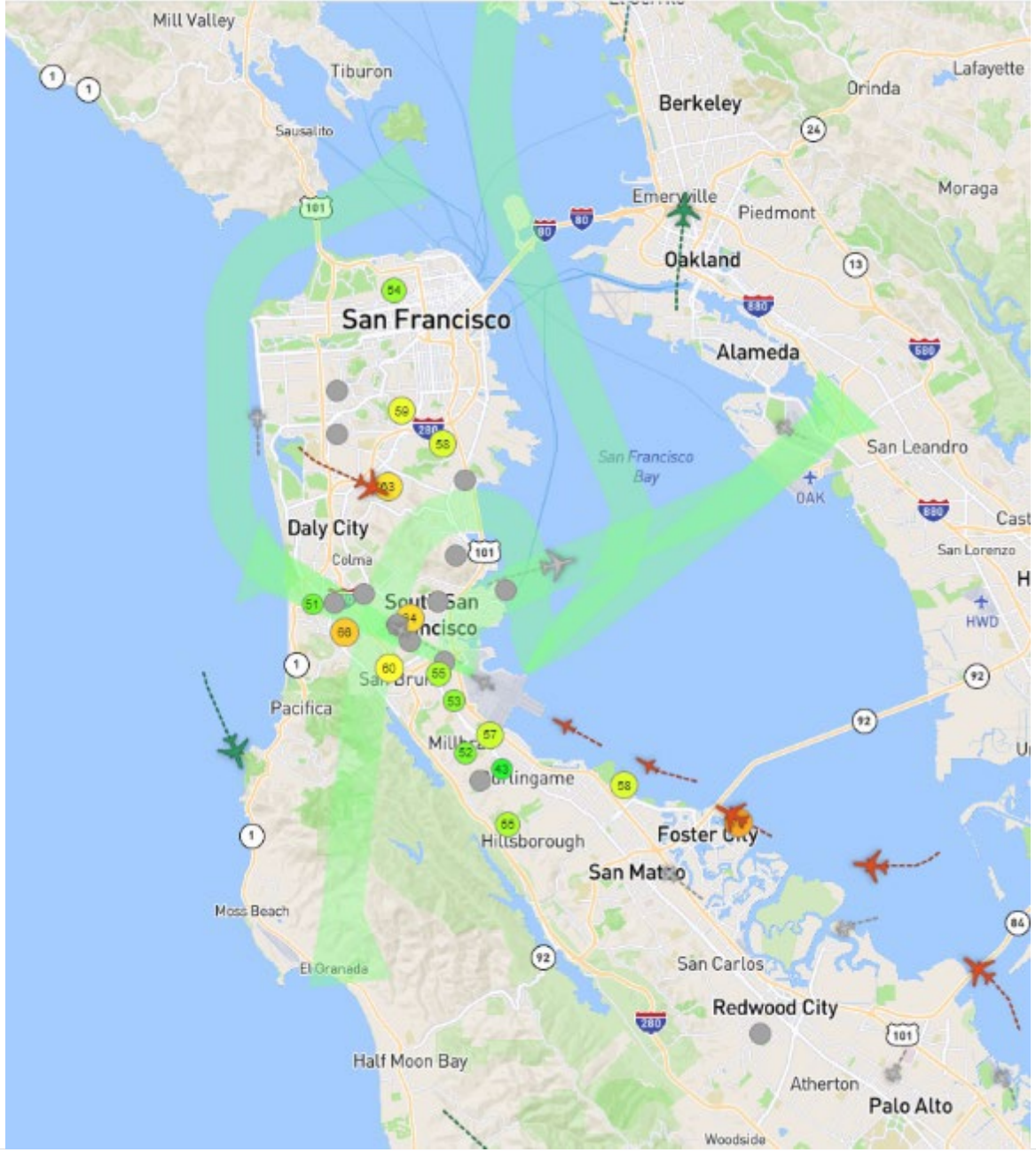
SFO Arrivals

BDEGA
Down the Bay
DYAMD
SERFR
Quiet Bridge
PIRAT



SFO Departures

SSTIK
NIITE
TRUKN
GAP
SNTNA



SFO