Appendix N - Screener Survey

Note: This is a comprehensive list of all possible screens that respondents might see. For clarity, the skip logic instructions are excluded. For certain responses, some screens may not be logical and would not appear in the web survey.

1	, , , , , , , , , , , , , , , , , , , ,			
2 space exploration, NASA also conducts research on aircraft. To determine who in yo				
3 4	household is eligible to participate in this study, please click the 'next' button at the bottom of this page.			
5				
6				
7				
8				
9				
10	Paperwork Reduction Act Statement:			
11	This information collection meets the requirements of 44 U.S.C 3507, as amended by section 2 of			
12	the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we			
13	display a valid Office of Management and Budget control number. The OMB control number for			
14	this information collection is 2700-xxxx and it expires on xx/xx/xxxx. We estimate that it will			
15	take about xx minutes to read the instructions, gather the facts, and answer the questions. You			
16	may send comments on our time estimate above to <u>@nasa.gov</u> . Send only			
17	comments relating to our time estimate to this address.			
18				
19				
20				
21				
22				
23				
24	To read about the study on the web, go to [LINK]			
25				
26	The survey is being conducted for NASA by Westat, a research firm in Rockville, Maryland (link			
27	to westat.com).			
28				
29	If you have questions about the study, please go to (LINK) or call HELP LINE.			
30				
31				
32				
33				
34				
35	Including yourself, how many people living in this household are 18 years of age or older?			
36	Please enter a number from 0 to 10. If there are more than 10 people aged 18 or more, enter			
37	10.			
38				
39	*In order to proceed with the survey, an answer is required.			
40				

Did you include yourself when you said that no one is 18 years old? Yes 1 No 2 *In order to proceed with the survey, an answer is required. We are only asking adults aged 18 or older to participate in the study, so those are all the questions we have for you. Thank you for your time. These next questions are about you and the other members living in the household who are at least 18 years old. How old are you? *In order to proceed with the survey, an answer is required. We are only asking adults aged 18 and older to participate in the study. Please ask an adult in your household to log in to the survey using the same information that you used. Thank you for your time. Are you...? Male 1 Female 2 Other 3 *In order to proceed with the survey, an answer is required.

1 2	You said that [NUM_ADULTS] adults live in your household.
3	The number of adults is pre-populated using your answer. Please change if necessary.
4 5 2	Total number of adults living in your household
5 7	How many of them are male?
3	The number of male adults
) 1 2	How many of them are female?
3 4	The number below is pre-populated using the number of adults and number of males. Please change if necessary.
5 5 7	The number of female adults
, 3 9	How many of them are other?
) [The number below is pre-populated using the number of adults and number of males and females. Please change if necessary.
<u>2</u> 3 1	The number of other adults
† 5	*In order to proceed with the survey, an answer is required.
5 7 3	
))	The computer will randomly select one adult from your household to participate in the rest of this study.
1 2	
3 4	
5	The person in your household that is selected for this study is you/the other household adult.
7 3 9	
) 1	
2	How old is the other household adult?

1	Is that person?
2	Male 1
3 4	Female 2
5	Other 3
6	
7	*In order to proceed with the survey, an answer is required.
8	
9	
LO	
L1	
L2	-
L3	The computer will randomly select one adult from your household to participate in this study.
L4	
L5	
L6 L7	
18 L 9	The person in your household that is selected for this study is you.
20	
21	
22	
23	
24	
25	The computer will randomly select one adult from your household to participate in this study.
26	To do this, we need to collect the age and gender of each person 18 years and older in the
27	household besides yourself. Please start with the oldest and move to the youngest.
28	
29	Not including yourself, how old is the oldest person who is at least 18 years old?
30	
31	*In order to proceed with the survey, an answer is required.
32	
33	
34	
35	
36	
37	Is the oldest person?
38 3 9	Male 1
10	Female 2
11	Other 3
12	
13	*In order to proceed with the survey, an answer is required.

1 2	Not including yourself, how old is the 2 nd oldest person who is at least 18 years old?
3	*In order to proceed with the survey, an answer is required.
4	
5 6	
7	
8	
)	Is the 2 nd oldest person?
	Male 1
	Female 2
	Other 3
	*In order to proceed with the survey, an answer is required.
	How old is the 3 rd oldest person who is at least 18 years old?
	*In order to proceed with the survey, an answer is required.
	Is the 3 rd oldest person?
	Male 1 Female 2
	Other 3
	*In order to proceed with the survey, an answer is required.
	How old is the 4th oldest person who is at least 18 years old?
	*In order to proceed with the survey, an answer is required.
3	· · · · · · · · · · · · · · · · · · ·

1 2	Is the 4 th oldest person?
3	Male 1
4	Female 2
5	Other 3
6	
7	*In order to proceed with the survey, an answer is required.
8	
9	
10	
11	
12	
13	How old is the 5th oldest person who is at least 18 years old?
14	
15	*In order to proceed with the survey, an answer is required.
16	
17	
18	
19	
20	
21	Is the 5 th oldest person?
22	
23	Male 1
24	Female 2
25	Other 3
26	**
27	*In order to proceed with the survey, an answer is required.
28	
29	
30	
31	
32	
33	How old is the 6 th oldest person who is at least 18 years old?
34	*In and a to make the common as a common of
35	*In order to proceed with the survey, an answer is required.

1 2	Is the 6 th oldest person?		
3	Male 1		
4	Female 2		
5	Other 3		
6			
7	*In order to proceed with the survey, an answer is required.		
8			
9			
10			
11			
12			
13	How old is the 7 th oldest person who is at least 18 years old?		
14			
15	*In order to proceed with the survey, an answer is required.		
16			
17			
18			
19			
20			
21 22	Is the 7 th oldest person?		
23	Male 1		
23 24	Female 2		
2 - 25	Other 3		
	Other 5		
26 27	*In order to proceed with the survey, an answer is required.		
	in order to proceed with the survey, an answer is required.		
28 29			
30			
31			
32			
33	How old is the 8th oldest person who is at least 18 years old?		
34	The trick of dialog person who is at least to years old.		
35	*In order to proceed with the survey, an answer is required.		
36	o. a.s. to proceed that the sarrey, an answer is required.		

1	Is the 8th oldest person?		
2			
3	Male 1		
4	Female 2		
5	Other 3		
6			
7	*In order to proceed wi	th the survey, an answer is requ	ired.
8		,,	
9			
10			
11			
12			
13	How old is the 9th oldest person	who is at least 19 years old?	
14	riow old is the 7 oldest person	who is at least 10 years old:	
15	*In order to proceed wi	th the survey, an answer is requ	ired
16	in order to proceed wi	th the survey, an answer is requ	ii cu.
17			
18			
19			
20			
21	Is the 9 th oldest person?		
22			
23	Male 1		
24	Female 2		
25	Other 3		
26			
27	*In order to proceed wi	th the survey, an answer is requ	ired.
28			
29			
30			
31			
32			
33	It seems that there are multiple	e people who have the same ger	nder and age. Can you provide
34	their first name or initials so that		
35			
	GENDER	AGE	FIRST NAME OR INITIAL
36			
37			

1	The computer will randomly select one adult from your household to participate in this study.
2	
3	
4	
5	
6 7	Thank you for providing the information about your household.
8	Before you ask [THE (AGE) YEAR OLD (GENDER)] to take the main survey, we would like to get
9	his/her/their name or initials and contact information in case we need to get in touch
10	with him/her/them.
11	
12	First name or initial:
13	Last name:
14	Email address:
15	Cell phone number:
16	
17	
18	
19	
20	
21	Thank you for completing this first step. Please ask to log in to the survey using the
22 23	same information that you used. Let them know that we are conducting a study on aircraft
23 24	noise, and we would like for them to participate in the second step. We will provide them \$10 if they complete the second step survey.
25	they complete the second step survey.
26	
27	
28	
29	
30	Thank you for providing this information about your household. Please click "Next" to continue
31	with the rest of the survey.
32	·

2 Appendix O - Background Survey

Note: This is a comprehensive list of all possible screens that respondents might see. For clarity, the skip logic instructions are excluded. For certain responses, some screens may not be logical and would not appear in the web survey.

1	Thank you for volunteering to participate in this NASA-sponsored study on perceptions of
2	aircraft noise. We appreciate your participation. The first part of the study involves collecting background information about yourself and your household. You will receive \$10 for filling out
4	this background survey. You will receive additional compensation, up to \$242 if you continue
5	to participate in the study which will involve you answering questions about your perceptions
6	of aircraft noise that will occur over a 30-day period. The second part of the study will start on
7	approximately (DATE). You will receive the link in a text message and/or an email from [EMAIL
8	ADDRESS], so please allow this through any email filters you may use.
9	ADDICESS, so picase allow this through any chian inters you may use.
10	Your participation in the study is voluntary. Answering the questions on the background survey
11	implies your consent to participate in this portion of the study. More information about
12	participating during the 30-day period is provided at the end of this survey.
13	participating during the 66 day period is provided at the cha or this survey.
14	Your responses will be treated as confidential, so only researchers associated with the project
15	will have access to your identity. Data distributed outside the research team will be in
16	summary form and will not be associated with your identity.
17	
18	
19	
20	
21	
22	Are you 18 years of age or older?
23	, , ,
24	Y/N
25	
26	
27	
28	
29	
30	Please provide your name
31	·
32	
33	
34	
35	
36	
37	An email address or cell phone number is required for you to participate in the study. We need
38	it to communicate with you electronically about the study by email or text. Please provide your
39	email address. We recommend you not provide your work email address to avoid our emails
40	being blocked by your employer's security system.
41	
42	O No email or do not want to provide an email

1	Do you have a cell phone with access to the internet?		
2 3	Y/N		
4			
5 6			
7			
8	Deviation of the form will be south device the 20 developing the Time be well as and		
9 10	Periodic notifications will be sent during the 30-day test period. Timely notification and response will be facilitated if we can notify you by text message. If you consent to being texted		
11	during this study, please provide your cell phone number.		
12 13	By providing your cell phone number you are giving permission to text you using an		
14	autodialing system at this number during the survey period.		
15	O Do not want to provide cell phone number		
16			
17 18			
19			
20			
21 22	Can you receive text messages throughout the day?		
23	Y/N		
24			
25			
26 27			
28			
29	In what year were you born?		
30			
31 32			
33			
34			
35 36	Are you		
37	Male		
38	Female		
39	Other (Specify)		
40			

1 2	What i	is the highest level of education you have completed?
3		0 No schooling
4		O 1st-8th grade
5		O Some high school
6		O High school graduate/GED
7		O Some college
8		O Associates (2-year) degree
9		O Bachelor's (4-year) degree
10		O Postgraduate degree (Master's degree, Doctorate degree, M.D., J.D.)
11		C 1 2008. Manage d. 28. 20 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
12		
 13		
14		
15		
16	Are yo	ou of Hispanic or [Latina/Latino/Latinx] origin? Y/N
17		
18		
19		
20		
21		
22 23	What i	is your race? You may identify more than one category.
24	0	White
25	O	Black or African American
26	O	Asian
27	0	Native Hawaiian or Other Pacific Islander
28	O	American Indian or Alaska Native
29	0	Other (Please specify)
30		
31		
32		
33		
34		
35 36	Is this	house, apartment, or mobile home
37	0	Owned by you or someone in this household with a mortgage or loan? Include home
38		equity loans
39	0	Owned by you or someone in this household free and clear (without a mortgage or
40		loan)?
41	0	Rented?
42	0	Occupied by you without payment of rent?

Do you work at a job outside your home?		
Y/N		
Do vo	u generally work in one place, such as an office, warehouse, or other central location?	
,	, , , , , , , , , , , , , , , , , , , ,	
Y/N		
-	rt of the survey, we will need to know your location when we ask about aircraft noise.	
	e provide the location of your work, school or any other places that you go to frequently.	
	ach place, put a short name that you can use when referencing this location on later ys. For example, if you work in one place, you can use "work".	
sui ve	ys. For example, if you work in one place, you can use work.	
	Location name:	
	Location address:	
Whicl	n best describes the building where you live?	
0	A mobile home	
0	A one-family house detached from any other house	
0	A one-family house attached to one or more houses	
0	A building with 2 apartments	
0	A building with 3 or 4 apartments A building with 5 to 9 apartments	
0	A building with 10 to 19 apartments	
0	A building with 20 to 49 apartments	
0	A building with 50 or more apartments	
0	Boat, RV, Van, etc	

1 2	How n	nany floors completely above ground does your building have?
3		Enter number
4		
5		
6		
7		
8		
9	<u> </u>	
10 11	On wn	ich floor is your apartment?
12		Enter number
13		Effect flumber
14		
15		
16		
17		
18		
19 20	About	when was your building first built?
21	0	2020 or later
22	0	2010 to 2019
23	0	2000 to 2009
24	0	1990 to 1999
25	0	1980 to 1989
26	0	1970 to 1979
27	0	1960 to 1969
28	0	1950 to 1959
29	0	1940 to 1949
30	0	1939 or earlier
31		
32		
33		
34 35		
36	What :	type of siding is the building where you live?
37		all that apply.
38	JCICCL	an that apply.
39	0	Stone
40	0	Brick
41	0	Wood
42	O	Vinyl

1 O Other (specify)

1	Which of the following best describes the building in which you work? If you work in more		
2	than one location, enter the one where you spend most of your time.		
3			
4	О	Single residence	
5	О	Warehouse or flat box store	
6	О	Single level office/school/commercial	
7	О	Multi-floored office/school/commercial	
8	О	Mid-rise multi-story (4-11 floors)	
9	О	High-rise multi-story (12-39 floors)	
10	О	Skyscraper multi-story (40+ floors)	
11			
12			
13			
14			
15			
16	On wh	ich floor is your work located?	
17			
18		Enter number	

Thank you for answering these questions. We will send you a debit card with \$10 in appreciation for your time.

Around (DATE), there will be a 30-day period where we ask you about any aircraft noise you may or may not hear. On some days there will be no surveys and on others there may be more than one survey. Note that you may not receive a survey request for every single time you hear aircraft noise. When we want your feedback on any noise you might hear, we will send you a message that asks you to respond to a few questions about whether you heard the noise. It is important to respond as soon as possible after getting the message. If you are driving when you get the message, please wait until you have stopped driving. On days where there is more than one survey, you will receive more than one message on the same day.

At the end of the day, we will send you a message to complete a survey that asks you about your experiences over the entire day. At the end of the study, we will also ask you to provide additional information for the study. We will provide monetary incentives that increase with the number of surveys you are able to complete.

You have the option to use your own smart phone or other mobile device to respond using an app you can download. Or you may choose to complete the surveys on the web using your phone or another device, like a laptop, tablet, or desktop computer.

Instructions on how to download the app and participate in the study via web or app will be provided in a thank you letter with your \$10 debit card for participating in this background survey. If you'd like to review that now, please click here (link to website with survey information).

 Appendix P - Single Event Survey

Note: This is a comprehensive list of all possible screens that respondents might see. For clarity, the skip logic instructions are excluded. For certain responses, some screens may not be logical and would not appear in the web survey.

P-1

0	
	Home (or within a 5-minute walk)
0	Work (or within a 5-minute walk)
O	Somewhere else
	enter your location at approximately (TIME). You can provide an approximate address,
named	d location, e.g., a store or other landmark, or cross street.
	
Did yo	u hear the aircraft noise that occurred at (TIME)?
Y/N	
How m	nuch did the aircraft noise bother, disturb, or annoy you?
How n	nuch did the aircraft noise bother, disturb, or annoy you?
How m	nuch did the aircraft noise bother, disturb, or annoy you? Not at all
0	Not at all
0	Not at all Slightly
0 0 0	Not at all Slightly Moderately
0 0 0	Not at all Slightly Moderately Very
0 0 0	Not at all Slightly Moderately Very
0 0 0	Not at all Slightly Moderately Very
0 0 0	Not at all Slightly Moderately Very
0 0 0 0	Not at all Slightly Moderately Very

1 Y/N

1	Vibration is a motion. The motion may be seen, felt, or heard. Did you see, feel, or hear		
2	vibration from the aircraft noise?		
3			
4	/N		
5			
6			
7			
8			
9			
10	attle is a type of noise that can occur when objects move due to vibration. Did you hear rati	tle	
11	from the aircraft noise?		
12			
13	′N		
14			
15			
16			
17			
18			
19	/ere you indoors or outdoors at (TIME)?		
20	refer you musels of cutusers at (iii iz).		
21	0 Indoors		
22	o Outdoors		
23	o Catabors		
24			
25			
26			
27			
28	(
29	as there at least one window open in the room at that time?		
30			
31	o Yes		
32	o No		
33			
34			
35			
36			
37			
38	Please enter any additional comments.		
	·		

Appendix Q - Daily Summary Survey

Note: This is a comprehensive list of all possible screens that respondents might see. For clarity, the skip logic instructions are excluded. For certain responses, some screens may not be logical and would not appear in the web survey.

1		of the questions below may seem like those you already answered when you responded
2		rrvey earlier in the day. We are interested in your overall response to aircraft noise today.
3		ay not have heard any aircraft or you may not have had time to respond to each of our
4	-	sts. For the questions below, please think about your overall experience, throughout the
5	day.	
6		
7		
8		
9		
10		
11	Did yo	u hear any aircraft noise today?
12		
13	Y/N	
14		
15		
16		
17		
18		
19	How n	nany times did you hear aircraft noise today?
20		
21		
22		
23		
24		
25		
26		
27	Thinki	ng about your day so far, how much did the aircraft noise bother, disturb, or annoy you?
28		
29	O	Not at all
30	O	Slightly
31	О	Moderately
32	O	Very
33	o	Extremely
34		,
35		
36		
37		
38		
39		
40	Thinki	ng about your day so far, did the aircraft noise startle you?
41	THITIKII	ing about your day so fair, and the anteract hoise starte you.
42	Y/N	
43	1711	
70		

	on is a motion. The motion may be seen, felt or heard. Thinking about your day so fau see, feel or hear vibration from aircraft noise?
Y/N	
	is a type of noise that can occur when objects move due to vibration. Thinking about
day so	far, did you hear rattle from aircraft noise?
Y/N	
1/14	
Where	e were you at approximately (TIME)?
0	Home (or within a 5-minute walk) – 123 Home Street
0	Work (or within a 5-minute walk of work) – 456 Work Street
0	789 Additional Location Street
0	Somewhere else
Please	enter your location at approximately (TIME). You can provide an approximate address
	I location, e.g., a store or other landmark, or cross street.
	,,

Appendix R - End of Test Survey

 Note: This is a comprehensive list of all possible screens that respondents might see. For clarity, the skip logic instructions are excluded. For certain responses, some screens may not be logical and would not appear in the web survey.

Thank you for helping the study collect valuable information on your perception of aircraft noise. This final set of questions asks you to describe more about your general reactions to the noises and sounds in your environment. Thinking about the last 30 days or so, how much did aircraft noise bother, disturb, or annoy you? o Not at all o Slightly o Moderately o Very o Extremely Thinking about noise more generally, for each statement, please indicate if you Strongly disagree, Moderately disagree, Neither agree nor disagree, Moderately agree or Strongly agree. I believe that people have a hard time getting used to noise. I believe that with time most people adapt to noise. I believe that with time I can adapt to noise. I believe that with time I can get used to even the loudest noise.

1 2	Next is a list of noises that might occur in your neighborhood. Please indicate how much each noise bothers, disturbs or annoys you. When you are at home, how much does noise from the		
3	indicated noise source bother, disturb, or annoy you?		
4 5	0	Not at all	
6	О	Slightly	
7	0	Moderately	
8 9		Very Extremely	
10	O		
11	О	Not Heard	
12			
13 14	Barking dogs		
14 15	Thunde	er	
16			
17	Street	traffic such as cars, trucks, or motorcycles	
18 19	Helicop	ators	
20	пенсор	DICTS	
21	Comme	ercial airplanes	
22			
23 24	Militar	y airplanes	
25			
26			
27			
28 29			
30	Had vo	u heard about this study before you received our invitation to participate? Y/N	
31		, , , , , , , , , , , , , , , , , , , ,	
32			
33			
34 35			
36	How di	d you hear about it? Select all that apply	
37		,	
38	0	Friend or family	
39	0	Social media	
40 41	0	Newspaper On line publication	
41 42	0	On-line publication TV or radio	
43	0	Other (specify)	

For each statement, please indicate if you Strongly disagree, Moderately disagree, Neither agree nor disagree, Moderately agree or Strongly agree. I am very concerned about the negative impact of air travel on the environment. Supersonic commercial planes should be a high priority for efforts to improve transportation in the U.S. We're interested in the noise that people hear in their neighborhood. Do you think your neighborhood is quiet, noisy or about average? o Quiet o Average o Noisy How long have you lived in the area? 0 Less than 1 year 0 1 year o 2 years 0 3-5 years o 6-9 years 0 10 or more years